VED0212339C0

D10

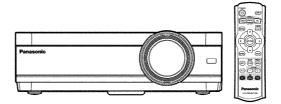
Service Manual

LCD Projector



PT-L300U

Please file and use this manual together with the service manual (CD -ROM) for <u>Model No. PT-AE300U, Order No. VED0212336C0 (No. CDR03011A0X)</u>.



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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Please refer to the Operating Instructions in the appendix folder. / (Go to Appendix List)

Panasonic

1. Points of difference between AE300U and L300U

1.1. Replacement Parts List

		PT-AE300U (Base Model)	PT-L300U	
Ref. No.	Part Name & Description	Part No.	Part No.	Remarks
G3	MODEL NAME PLATE	TBME870	TBME965	
G7	FRONT PANEL (LEFT)	TKPA72506	TKPA72510	
G8	FRONT PANEL (RIGHT)	TKPA72602	TKPA72603	
G19	CARTON	TPCB32006	TPCB32010	
G30	INSTRUCTION BOOK	TQBJ0115	TQBJ0120	lack
G31	SHEET	TQBJ7002-1		
G32	GUARANTEE CARD (USA)	TQDJ18011	TQDJ18017	
G33	GUARANTEE CARD (CANADA)	TQDJ18012		
K44	UPPER COVER ASSY	TXFKF98PRQZ	TXFKF98PSSZ	
K45	BOTTOM COVER ASSY	TXFKF99PRTZ	TXFKF99PSTZ	

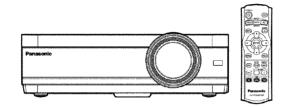
ORDER NO. VED0212336C0

D10

Service Manual

LCD Projector

PT-AE300U / PT-AE300E



SPECIFICATIONS

Specifications Power supply: COMPONENT IN: 100 V - 240 V AC, 50 Hz / 60 Hz 1.0 V [p-p], 75Ω Power consumption: PB, PR (CB, CR): 0.7 V [p-p], 75Ω 180W [During standby (when fan is stopped): DVI-D IN: Single-line, DVI-D, 24-pin Approx. 1.5 W] AV1 input (PT-AE300E only): 21 pin terminal Amps: 1.0 V [p-p], 75Ω 2.2 A - 0.8 A 0.5 V [rms] AUDIO: LCD panel: RGB: R.G.B.: 0.7 V [p-p], 75Ω Panel size (diagonal): 0.7 type (17.78 mm) SYNC.: 0.3V [p-p], 75Ω Aspect ratio: 16:9 AUDIO IN: Single-line 0.5 V [rms], RCA pin jack × 2 (L-R) Display method: 3 transparent LCD panels (RGB) SD memory card slot: Drive method: Active matrix method For SD memory cards Pixels: 518 400 (960 × 540) × 3 panels Compatible with DCF-standard still image data Lens: Compatible with MPEG4 moving picture data (audio: Manual zoom (1 - 1.2) / focus lens, G.726 compliant) F 2.0 - 2.3, f 22.0 mm - 26.2 mm Cabinet: Lamp: Molded plastic (ABS / PC) UHM lamp (120 W) Dimensions: Luminosity: 800 lm/ANSI 280 mm Width: Heiaht: 85.2 mm Scanning frequency (for RGB signals): 279.7 mm (including lens) Lenath: Horizontal scanning frequency: 30 kHz - 70 kHz Weight: Vertical scanning frequency: 50 Hz - 87 Hz 2.9 kg Dot clock frequency: 100 MHz or less Operating environment: YPBPR signals: Temperature: 0°C - 40°C 525i (480i), 625i, 525p (480p), 750p (720p), 1125i (1080i) (0° C - 35° C when operating in highlands) Color system: Humidity: 20 % - 80 % (no condensation) 7 (NTSC / NTSC 4.43 / PAL / PAL-M / PAL-N / PAL60/ Certifications: SECAM) PT-AE300U: UL60950, C-UL, FCC Projection size: EN60950, EN55022, EN61000-3-2, PT-AE300E: 1 016 mm - 5 080 mm EN61000-3-3, EN55024 Throw distance: <Remote control unit> 1.2 m - 7.4 m Power supply: Optical axis shift: 3 V DC (AAA battery × 2) 17:1 (fixed) Operating range: Screen aspect ratio: Approx. 7 m 16:9 (when operated directly in front of signal receptor) Installation: Weigh: Front / Rear / Ceiling / Desk (Menu selection method) 73.5 g (including battery) Dimensions: $4.0 \text{ cm} \times 3.0 \text{ cm oval} \times 1$ Width: 43 mm Max. useable volume output: Height: 22.3 mm 2 W (monaural) Length: 135 mm Connectors: Accessories: VIDEO IN: Remote control unit (N2QAFA000002): S2 VIDEO: Single-line, Mini Din 4-pin AAA batteries for remote control unit $(\times 2)$: Y 1.0 V [p-p], C 0.286 V [p-p], 75 Ω , PT-AE300U: K2CG3FR00001 Power cord: VIDEO: Single-line, RCA pin jack PT-AE300E: K2CT3FR00001 (U.K) 1.0 V [p-p], 75 Ω : K2CM3FR00001 PC IN: (continental) Single-line, D-SUB HD 15-pin (female) RGB: Video/Audio cable [K2KA2FA00001 (3.0 m)]: 1 0.7V [p-p], 75Ω 1.0 V [p-p], 75Ω R.G.B: Carrying bag (TPEP008): G.SYNC: Options: HD/SYNC: TTL high impedance, automatic ET-PKE300 Ceiling bracket: plus/minus polarity compatible Projection Screen: ET-SR90CT (width: 1 800 mm) TTL high impedance, automatic VD: ET-SB70CT (width: 1 400 mm) plus/minus polarity compatible · Specifications are subject to change without notice. · Weight and dimensions shown are approximate.

Trademark Acknowledgements

- The SD logo is a registered trademark.
- VGA and XGA are trademarks of International Business Machines Corporation.
- Macintosh is a registered trademark of Apple Computer, Inc.
- S-VGA is a registered trademark of the Video Electronics Standards Association.
- Windows is a trademark or registered trademark of Microsoft Corporation in the United States of America and other countries. All other trademarks are the property of the various trademark owners.

Precaution

If using this projector at high elevations (above 1 400 m), set the FAN CONTROL to HIGH. (Refer to "Option settings" in Operating Instructions.)

Failure to observe this may cause malfunctions.

Never use this projector at an elevation of 2 700 m or higher.

Using this projector at high elevations, consult your dealer or Authorized Service Center about preparations.

About lead free solder (PbF)

This projector is using the P.C.Board which applies lead free solder. The use of lead free solder is recommended from the standpoint of antipollution for the global environment in service.

Notes:

- Lead free solder: Sn-Ag-Cu (tin, silver and copper) has a higher melting point (approx. 217°C) than standard solder. Typically, the melting point is 30°C to 40°C higher. When servicing, use a high temperature soldering iron with temperature limitation function and set it to 370±10°C.
- Be precautious about lead free solder: Sn-Ag-Cu (tin, silver and copper) will tend to splash when heated too high (approx. 600°C or higher).
- Use lead free solder for the P.C.Board (specified on it as "PbF") which uses lead free solder. (When you unavoidably use lead solder, use lead solder after removing lead free solder. Or be sure to heat the lead free solder until it melts completely, before applying lead solder.)
- After soldering to double layered P.C.Boards, check the component side for excess solder which may flow onto the opposite side. About the identification of the lead free solder P.C.Board

For the P.C.Board which applies lead free solder, the symbol as shown in the figure below is printed or stamped on the surface or the back of P.C.Board.



For US

IMPORTANT SAFETY NOTICE

There are special parts used in Panasonic LCD Projectors which are important for safety. These parts are shaded on the schematic diagram. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of PANASONIC BROADCAST & TELEVISION SYSTEMS COMPANY.

WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Any unauthorized changes or modifications to this equipment will void the users authority to operate.

1. Safety Precautions

1.1. General Guidelines

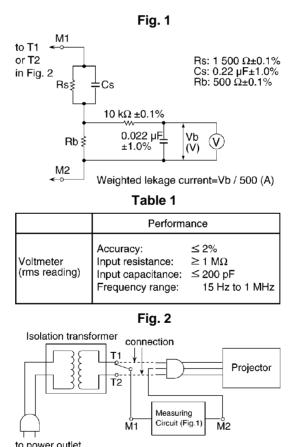
- For continued safety, no modification of any circuit must be attempted.
- Unplug the power cord from the power outlet before disassembling this projector.
- It is advisable to use an isolation transformer in the AC power line

before the service.

- Observe the original lead dress during the service. If a short circuit is found, replace all the parts overheated or damaged by the short circuit.
- After the service, all the protective devices such as insulation barriers, insulation papers, shields, and isolation R-C combinations must be properly installed.
- After the service, check the leakage current to prevent the customer from getting an electric shock.

1.2. Leakage Current Check

Prepare the measuring circuit as shown in Fig.1.
 Be sure to use a voltmeter having the performance described in Table 1.



- 2. Assemble the circuit as shown in Fig. 2. Plug the power cord in a power outlet.
- 3. Connect M1 to T1 according to Fig. 2 and measure the voltage.
- 4. Change the connection of M1 from T1 to T2 and measure the

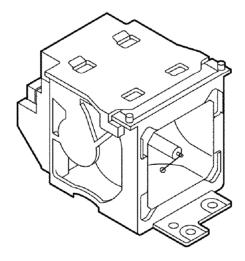
voltage again.

- 5. The voltmeter must read 0.375 V or lower in both of steps 3 and 4. This means that the current must be 0.75 mA or less.
- 6. If the reading is out of the above standard, the projector must be repaired and rechecked before returning to the customer because of a possibility of an electric shock.

1.3. UV Precaution and UHM Lamp Precautions

- Be sure to unplug the power cord from the power outlet when replacing the lamp.
- Because the lamp reaches a very high temperature during its operation, wait until it cools completely when replacing the Lamp Unit.
- The lamp emits small amounts of UV-radiation, avoid direct-eye contact with the light.
- Because the high pressure lamp involves a risk of explosion, never touch the lamp wire lead during the service. (See Fig. 3)

Fig. 3



2. Ext Option

This projector has EXT OPTION in addition to standard on-screen menus.

- There are SELF CHECK, SERVICE MODE and FLICKER ADJ for service, etc.

2.1. Procedure to enter EXT OPTION

1. Press "MENU" button on the main unit or remote control unit to

display "MENU" screen, then select "OPTION" and press "ENTER" button.

2. Select "OSD" on "OPTION" menu and press "ENTER" button 3 seconds or longer.

MENU → OPTION → OSD

2.2. EXT OPTION Menu and Functions

EXT OPTION

FREEZE MSG	OFF / ON
PIC.SHIFT	OFF / ON
RUNTIME PRT	OFF / ON
FAN FULLMODE	OFF / ON
AUTO SETUP	NORMAL / SPECIAL
SELF CHECK	
SERVICE MODE	
FLICKER ADJ	

- FREEZE MSG

Switching ON/OFF "FREEZE" on-screen display

- PIC.SHIFT

Switching ON/OFF the antipersistence function

- Shifts the picture slightly (by one dot) when every 60 minutes. (one dot shifting three times, one dot shifting three times in reverse direction, and repeats them alternately.)
- RUNTIME PRT

Switching ON/OFF the shutdown when the operation time for the lamp unit is 2 000 hours or longer

- FAN CONTROL

Setting the cooling fan motor rotation speed

- Switching ON "FAN FULLMODE", the rotation level of the fan becomes high-speed rotation (fixed). Moreover, when "FAN FULLMODE" is ON, changing "FAN CONTROL" in OPTION becomes impossible (setting FAN FULLMODE is given priority more than FANCONTROL).
- AUTOSETUP

Setting AUTO SETUP mode

- NORMAL: To set the normal mode (the dot clock is adjusted strictly)
- SPECIAL: To set the special mode (the dot clock is adjusted roughly)
 - * Do not change the initial setting (NORMAL).
- SELF CHECK

To enter the self-check mode

- SERVICE MODE

To enter the service mode

- FLICKER ADJ

To enter the flicker adjustment mode

2.3. Canceling EXT OPTION

Press "MENU" button on the main unit or remote control unit.

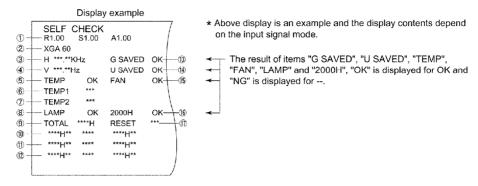
3. Self-Check Mode

This mode is used to narrow down the location of the failure.

3.1. Procedure to enter the self-check mode

Select "SELF CHECK" on "EXT OPTION" menu and press "ENTER" button on the main unit or remote control unit.

3.2. Self Check Display and Contents



	Display Contents	Remarks		
1	Microcomputer / SD / FPGA Software Version Display *1	Microcomputer (IC1010), DSC24 (IC5007) and FPGA (IC1801) software versions are shown from the left.		
2	Signal Name	Different display according to the input signal		
3	Horizontal Signal Frequency	RGB or YPBPR (YCBCR) signal reception only		
4	Vertical Signal Frequency	RGB or YPePr (YCeCr) signal reception only		
(5)	Temperature Abnormality Check	Cause of Lamp Malfunction		
6	Thermosensor 1 A/D conversion value (0 - 255) *2	Around the LCD panel		
7	Thermosensor 2 A/D conversion value (0 - 255) *2	Around the air intake slot (Detects air filter's choke, etc.)		
8	Lamp Abnormality Check	Cause of Lamp Malfunction		
9	Total Usage Time	Projector Cumulative Usage Time		
(10) (1) (12)	Lamp ON - Cumulative Usage Time / Frequency / Cumulative Usage Time	Current Second First	Cumulative Usage Time (actual time), ON Frequency and Cumulative Usage Time (conversion time for 130 W) of the lamp are shown from the left.	
(13)	Gamma Correction Data Check	It is distinguished whether gamma data is stored in the flash ROM		
140	Color Unevenness Correction Data Check	It is distinguished whether color unevenness correction data is stored in the flash ROM.		
(15)	Fan Stop Check	Cause of Lamp Malfunction		
16	Lamp - Judgment for Cumulative Usage more than 2 000 h	Judgment for Replacement Time of Lamp		
1	Lamp - Reset Frequency of Cumulative Usage Time	Reset Frequency (0 - 255)		

^{*1} FPGA (Field Programmable Gate Array)
LSI that is rewritable quickly while inspecting the program by system designer. (This will be able to reduce the development time.)

3.3. Canceling the self-check mode

Press "MENU" button on the main unit or remote control unit.

4. Service Mode

This mode is used to display seven kinds of test patterns [Horizontal lines, Vertical lines, Dots, Crosshatch, White cross, Black cross and White (No pattern)] in the four colors (White, Red, Green and Blue).

Note:

 On the service mode, displays above patterns by each color without test equipment such as PC or SG. Use the service mode for simplified adjustments by your eyes and so on.

4.1. Procedure to enter the service mode

Select "SERVICE MODE" on "EXT OPTION" menu and press "ENTER" button on the main unit or

^{*2} When detected abnormal temperature (high temperature around the LCD panel, large difference between temperature at the intake slot and temperature around the LCD panel), TEMP indicator turned on. If arriving at the critical temperature, the power supply will be shutdown automatically and the indicator will flash.

remote control unit.

Note:

- In the service mode, pressing the up-arrow "▲" or down-arrow "▼
" button allows the test pattern selection and theleft-arrow " or right-arrow "▶" button the color selection (White / Red / Green / Blue).

4.2. Canceling the service mode

Press "MENU" button on the main unit or remote control unit.

5. Flicker Adjustment Mode

If replacing the optical parts (Analysis / LCD / Lens block) of this projector, enter the flicker adjustment mode and minimize the flicker.

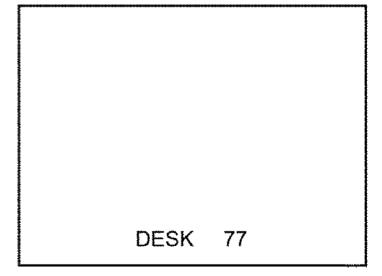
Also when replacing the analysis block or A-P.C.Board (assembly), execute 7.6. "Flicker adjustment".

5.1. Procedure to enter the adjustment mode

Select "FLICKER ADJ" on "EXT OPTION" menu and press "ENTER" button on the main unit or remote control unit.

Note:

"DESK setting (blue)" is displayed when entering the adjustment mode.



Adjustment Display when DESK setting

5.2. Adjustment Display and Contents

- Setting value is increased and decreased with the right-arrow ">"

and left-arrow "◀" buttons.

" Decrease, " Increase

- Adjust the setting value to minimize the flicker on the screen.
- Execute the adjustment by 6 patterns below.
- The pattern (adjustment display) is switched with the up-arrow "▲" and down-arrow "▼" buttons.
 - "▲": Forward direction, "▼": Reverse direction
- There are 6 patterns of "DESK setting (blue)", "DESK setting (red)", "DESK setting (green)", "CEILING setting (blue)", "CEILING setting (red)" and "CEILING setting (green)".
- The setting value is saved into this projector when the pattern is switched.

5.3. Canceling the flicker adjustment mode

Press "MENU" button on the main unit or remote control unit.

Note:

When "MENU" button is pressed, the setting value at that time is saved into this projector and the adjustment mode is canceled.

6. Disassembly Instructions

Warning:

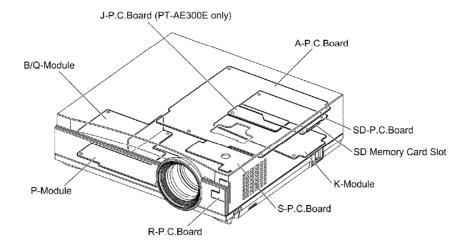
- Be sure to unplug the power cord from the power outlet before disassembling this projector.

Caution:

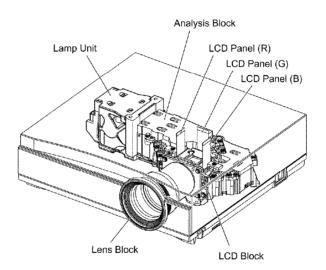
- While turning over a printed circuit board, be sure to put a insulating material under it to prevent a short circuit.
- Printed circuit boards and wires must not be pulled forcibly, but be handled carefully.
- Connectors also must be handled carefully.
- After repairing this projector, be sure to put back the wires and connectors to the original condition.

6.1. Printed Circuit Board and Main Parts Location

Electrical Parts

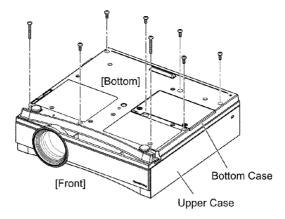


Optical Parts



6.2. Removal of Upper Case

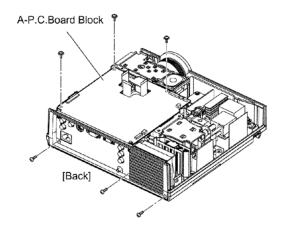
- 1. Turn the projector upside down.
- 2. Unscrew the 8 screws fixing the upper case.



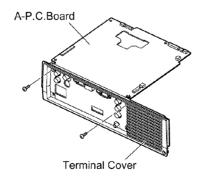
- 3. Return the projector to the normal position.
- 4. Remove the upper case.

6.3. Removal of A-P.C.Board

- 1. Remove the upper case according to the section 6.2. "Removal of Upper Case".
- 2. Disconnect the connectors from/to the A-P.C.Board.
- 3. Unscrew the 6 screws and remove the A-P.C.Board block.

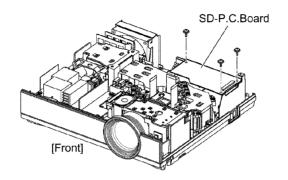


4. Unscrew the 2 screws and remove the terminal cover.



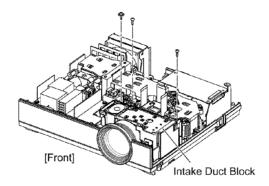
6.4. Removal of SD-P.C.Board

- 1. Remove the upper case and A-P.C.Board block according to the steps 1 through 3 in the section 6.3. "Removal of A-P.C.Board".
- 2. Unscrew the 3 screws and remove the SD-P.C.Board.

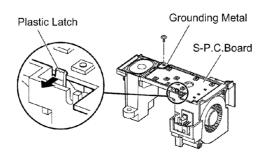


6.5. Removal of S-P.C.Board

- 1. Remove the upper case and A-P.C.Board block according to the steps 1 through 3 in the section 6.3. "Removal of A-P.C.Board".
- 2. Unscrew the 3 screws and remove the intake duct block.



- 3. Unscrew the 1 screw and remove the grounding metal.
- 4. While pressing the plastic latch in the direction of arrow, remove the S-P.C.Board.



Note:

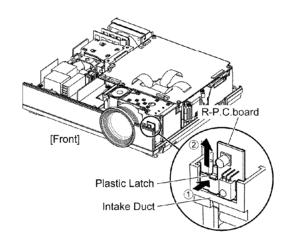
- Work with care because the plastic latch may be damaged if it is overforced.

6.6. Removal of R-P.C.Board

- 1. Remove the upper case according to the section 6.2. "Removal of Upper Case".
- 2. While pressing the plastic latch of the intake duct in the direction of arrow (1), remove the R-P.C.Board upward.

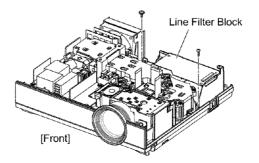
Note:

 Work with care because the plastic latch may be damaged if it is overforced.



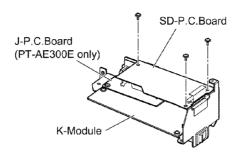
6.7. Removal of K-Module and J-P.C.Board (PT-AE300E only)

- 1. Remove the upper case and A-P.C.Board block according to the steps 1 through 3 in the section 6.3. "Removal of A-P.C.Board".
- 2. Unscrew the 2 screws and remove the line filter block (K-Module, J-P.C.Board and SD-P.C.Board).



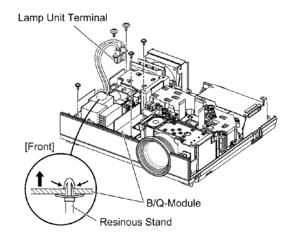
3. Unscrew the 3 screws and remove the SD-P.C.Board (K-Module

and J-P.C.Board remain).



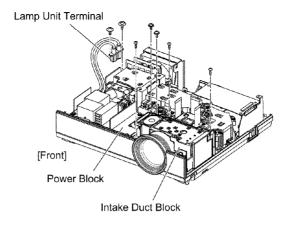
6.8. Removal of B/Q-Module

- 1. Remove the upper case and A-P.C.Board block according to the steps 1 through 3 in the section 6.3. "Removal of A-P.C.Board".
- 2. Unscrew the 2 screws and remove the lamp unit terminal.
- 3. Unscrew the 3 screws.
- 4. While pressing to close the cap of the resinous stand, remove the B/Q-Module.

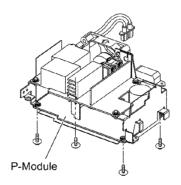


6.9. Removal of P-Module

- 1. Remove the upper case and A-P.C.Board block according to the steps 1 through 3 in the section 6.3. "Removal of A-P.C.Board".
- 2. Unscrew the 3 screws and remove the intake duct block.
- 3. Unscrew the 2 screws and remove the lamp unit terminal.
- 4. Unscrew the 2 screws and remove the power block (P-, B/Q-Modules block).

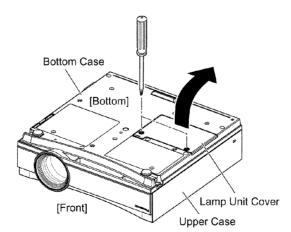


5. Unscrew the 4 screws and remove the P-Module.

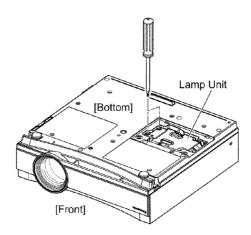


6.10. Removal of Lamp Unit

- 1. Turn the projector upside down.
- 2. Loosen the 2 screws until they idle, lift the lamp unit cover to remove.

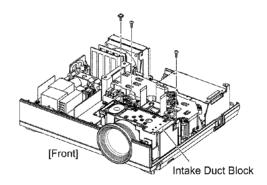


3. Unscrew the 2 screws fixing the lamp unit and remove the lamp unit.

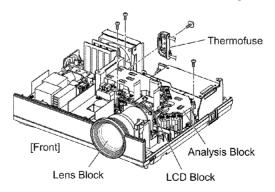


6.11. Removal of Analysis Block, LCD Block and Lens Block

- 1. Remove the lamp unit according to the section 6.10. "Removal of Lamp Unit".
- 2. Remove the upper case and A-P.C.Board block according to the steps 1 through 3 in the section 6.3. "Removal of A-P.C.Board".
- 3. Unscrew the 3 screws and remove the intake duct block.

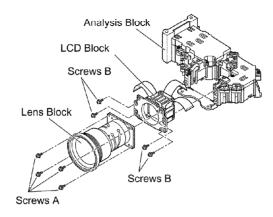


- 4. Unscrew the 1 screw and separate the thermofuse from the analysis block.
- 5. Unscrew the 3 screws and remove the analysis/LCD/lens block.



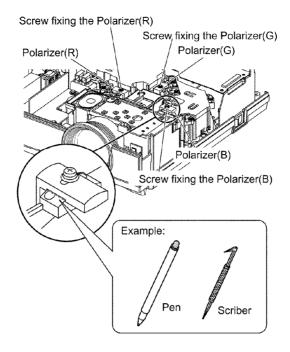
6. Unscrew the 4 screws A to separate the lens block and the LCD

block, unscrew the 4 screws B to separate the LCD block and the analysis block.



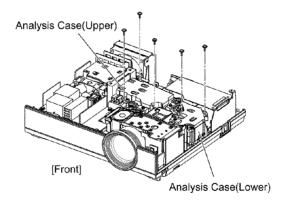
6.12. Replacement of Polarizer

- 1. Remove the upper case and A-P.C.Board block according to the steps 1 through 3 in the section 6.3. "Removal of A-P.C.Board".
- 2. Mark positions of the polarizer (R/G/B).
- Mark accurately as possible because the marks will be used for resetting the polarizer position.
- 3. Unscrew each screw fixing the polarizer and remove the polarizer.
- 4. Attach a new polarizer and align it with the mark.
- 5. Tighten the screw fixing the polarizer with care not to move its position.



6.13. Replacement of PBS Array (Analysis Block)

- 1. Remove the upper case and A-P.C.Board block according to the steps 1 through 3 in the section 6.3. "Removal of A-P.C.Board".
- 2. Unscrew the 5 screws.

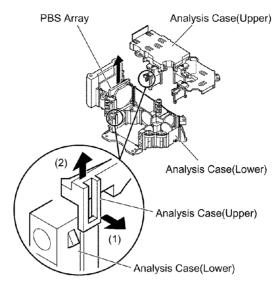


3. Disconnect 2 joint hooks of the analysis cases and remove the analysis case (upper).

Notes:

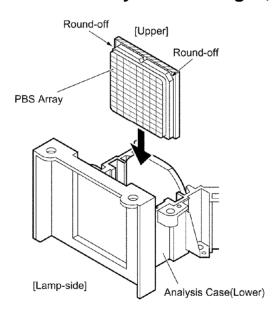
- While pulling the hook of the analysis case (upper) in the direction of arrow (1), unhook it from the analysis case (lower).
- Polarizers (R/G/B) are attached on the analysis case (upper). Handle with care not to apply external force to the polarizers.
- Do not touch optical components (lens, mirror, etc.) of the analysis block. If dirt or aberration has brought into existence, efficiency of

the projector may deteriorate.



[Above figure is shown only the analysis block for explanation.]

4. Take out upward the PBS array with the edges, then replace it.

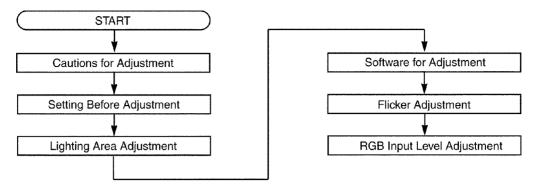


Note:

- When attaching a new PBS array, be careful not to mistake the direction.

7. Measurement and Adjustments

7.1. Adjustment Procedure Flowchart

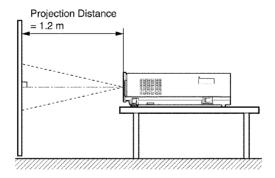


7.2. Cautions for Adjustment

- Never turn off the MAIN POWER switch until every fan completely stops.
- To maintain and ensure safety, always use the designated components for replacement parts.
- If removing any clamps, lead wires or connectors, always place them back in their proper locations.
- Be careful not to damage the lead wires or components when using a soldering iron or similar tool.

7.3. Setting Before Adjustment

- Set up the projector to obtain the projection distance below.
- Turn the zoom ring of the projector to obtain the largest size of the picture.



7.4. Lighting Area Adjustment

7.4.1. Tools to be used

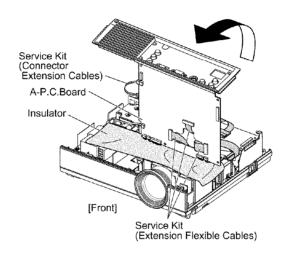
Service Kit (Part No. TZSH07006): This kit is composed of 3 extension flexible cables and 1 connector extension cable.

Note:

- Consult your dealer or Authorized Service Center for the service kit.

7.4.2. Preparation

- 1. Remove the upper case and unscrew the 6 screws according to the steps 1 through 3 in the section 6.3. "Removal of A-P.C.Board".
- 2. Connect the service kit (extension cables).
 - Each flexible cable of LCD Panels (R/G/B) Connectors (A1/A2/A3) on A-P.C.Board
 - Connector of Exhaust Fan Connector (A17) on A-P.C.Board
- 3. Disconnect the flexible cable from SD-P.C.Board to connector A20.
- 4. Covering with an insulator (cloth or the like) to prevent a short circuit, set the A-P.C.Board on the main unit.



Note:

- Handle with care not to apply external force to connecting parts which connect the main unit and A-P.C.Board.

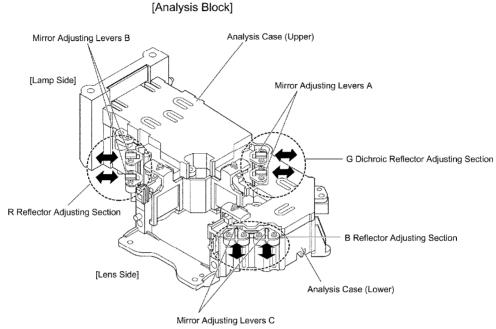
7.4.3. Adjustment Procedure

7.4.3.1. Outline

When the lighting area is off from the adjustment and color unevenness appears, adjust the lighting area into correct position.

Symptom	Measure
Magenta	G Dichroic Reflector
unevenness	Adjustment
Cyan	R Reflector Adjustment
unevenness	
Yellow	B Reflector Adjustment
unevenness	

- Shifting two mirror adjusting levers in the same direction, adjust color unevenness on the screen upper/lower sides.
- Shifting two mirror adjusting levers in opposite directions, adjust color unevenness on the screen right/left sides.



[Above figure is shown only the analysis block for explanation.]

7.4.3.2. G Dichroic Reflector Adjustment

- 1. Turn on the power and display 100 % white pattern on the screen.
- 2. Loosen each screw fixing the 2 mirror adjusting levers A just until the lever can be shifted.
- 3. Adjust the mirror adjusting levers A positions to minimize color unevenness on the screen by shifting the levers in arrow directions.
- 4. Tighten each screw.

7.4.3.3. R Reflector Adjustment

- 1. Turn on the power and display 100 % white pattern on the screen.
- 2. Loosen each screw fixing the 2 mirror adjusting levers B just until the lever can be shifted.
- 3. Adjust the mirror adjusting levers B positions to minimize color unevenness on the screen by shifting the levers in arrow directions.

4. Tighten each screw.

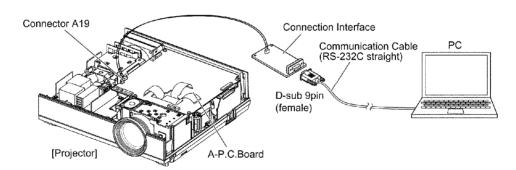
7.4.3.4. B Reflector Adjustment

- 1. Turn on the power and display 100 % white pattern on the screen.
- 2. Loosen each screw fixing the 2 mirror adjusting levers C just until the lever can be shifted.
- 3. Adjust the mirror adjusting levers C positions to minimize color unevenness on the screen by shifting the levers in arrow directions.
- 4. Tighten each screw.

7.5. Software for Adjustment

7.5.1. Outline

- This projector needs computer-aided adjustments.
- After the software adjustments, this projector must be turned off and on again to memorize the settings.
- Connect the connection interface and communication cable between the projector and a PC as shown below.
- Updating the software will change the version number.



7.5.2. Operating Procedure

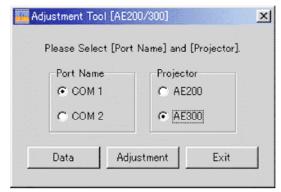
1. Run the software program by the keyboard entry.

Note:

- Use the software program as below.
 Adjustment Tool [AE200/300]
- 2. The first menu is [Port Name] and [Projector] selection menu.
- 3. Adjust the projector by selecting the necessary item from the

menu in each stage.

7.5.3. Port Name and Projector Selection Menu



Select the applying item with the radio button and click [Data] or [Adjustment] button.

7.5.3.1. Explanation of Buttor	15
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	IVЛ	1

Sets the port name of PC which connects with the projector is in COM1.

COM 2:

Sets the port name of PC which connects with the projector is in COM2.

AE200:

Select when the pertinent model name is PT-AE200*.

AE300:

Select when the pertinent model name is PT-AE300*.

Data:

Displays the data send/receive menu.

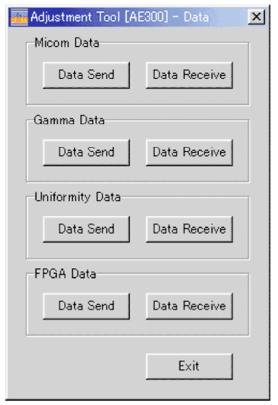
Adjustment:

Displays the adjustment menu.

Exit:

Exits this application.

7.5.4. Data Send/Receive Menu



7.5.4.1. Explanation of Buttons

Micom Data Send:

Reads the microcomputer data from the file and sends it to the projector.

Micom Data Receive:

Receives the microcomputer data from the projector and writes it in the file.

Gamma Data Send:

Reads the gamma data from the file and sends it to the projector.

Gamma Data Receive:

Receives the gamma data from the projector and writes it in the file.

Uniformity Data Send:

Reads the color unevenness correction data from the file and sends it to the projector.

Uniformity Data Receive:

Receives the color unevenness correction data from the projector and writes it in the file.

FPGA Data Send:

Reads the FPGA data from the file and sends it to the projector.

FPGA Data Receive:

Receives the FPGA data from the projector and writes it in the file.

Exit:

Exits this application.

7.5.4.2. Receiving and sending of the data

Click a target button and specify a file name.

7.5.5. Adjustment Menu



7.5.5.1. Explanation of Buttons

Flicker Adjustment:

Displays the flicker adjustment menu.

RGB Input Level Adjustment:

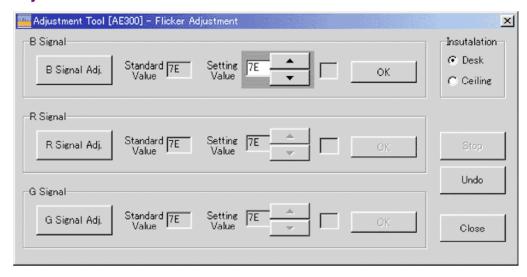
Displays the RGB input level adjustment menu.

Exit:

Exits this application.

7.6. Flicker Adjustment

7.6.1. Adjustment Menu



7.6.2. Explanation of Buttons

Desk:

Sets the installation mode to the desk setting and receive the current data.

Ceiling:

Sets the installation mode to the ceiling setting and receive the current data.

B Signal Adj.:

Sets the test signal mode to the B-signal and allows the "A", "V" and "OK" buttons of the B-signal to becomes active.

R Signal Adj.:

Sets the test signal mode to the R-signal and allows the "A", "V" and "OK" buttons of the R-signal to becomes active.

G Signal Adj.:

Sets the test signal mode to the G-signal and allows the "A", "V" and "OK" buttons of the G-signal to becomes active.



Changes the setting value and transmits its data. (The 8 and 2 keys on the keyboard have the

same functions.) If releasing the mouse or key after pressing it continuously, the data is transmitted once. The variable setting value is enclosed in abox and using the TAB or SPACE key allows the move of the box.

OK:

Determines the setting value and stores its data in the EEPROM. (The ENTER key on the keyboard has the same function.) The item having two or more kinds of setting values is processed two or more items. Clicking this button or pressing ENTER keychanges the color of the text "OK" to cyan (light blue). If changing the setting value using the "A" or "V" button or the 8 or 2 key, its color returns to black.

Stop:

Discontinues the communication. (This button is usually set for its inactive mode.)

Undo:

Returns the setting value to its original state and transmits its data. The color of the text "OK" returns to black.

Close:

Closes this menu.

7.6.3. Equipment to be used

PC, Software for Adjustment

7.6.4. Adjustment Procedure

- 1. Display the flicker adjustment menu.
- 2. Set the installation mode to the desk setting.
- 3. Click "B Signal Adj," and the blue flicker adjustment pattern will be displayed.
- 4. Minimize the flicker while observing the projected pattern.
- 5. Click "R Signal Adj," and the red flicker adjustment pattern will be displayed.
- 6. Minimize the flicker while observing the projected pattern.
- 7. Click "G Signal Adj," and the green flicker adjustment pattern will be displayed.
- 8. Minimize the flicker while observing the projected pattern.

9. Change the installation mode to the ceiling setting and follow steps 3 to 8 inclusive.

7.7. RGB Input Level Adjustment

7.7.1. Adjustment Menu



7.7.2. Explanation of Buttons

OK:

Executes automatic sub contrast and sub brightness adjustments, then closes this dialog.

Cancel:

Cancels this menu.

7.7.3. Equipment to be used

PC, RGB Signal Generator, Software for Adjustment

7.7.4. Adjustment Procedure

- 1. Display the RGB input level adjustment menu.
- 2. Input a window pattern signal to PC IN (RGB) connector.

 Note:
- Use approx. 15 % window pattern as follows.
 Black background (screen width): White window width = 2:1
 Black background (screen height): White window height = 3:1
- Use the window pattern of VGA60.
- 3. Click the OK button.

8. Troubleshooting

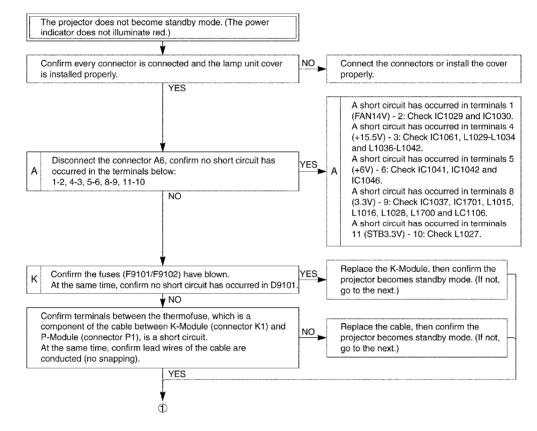
• The letters in the left of the inspection items indicate the P.C.Boards or Modules related to their respective descriptions.

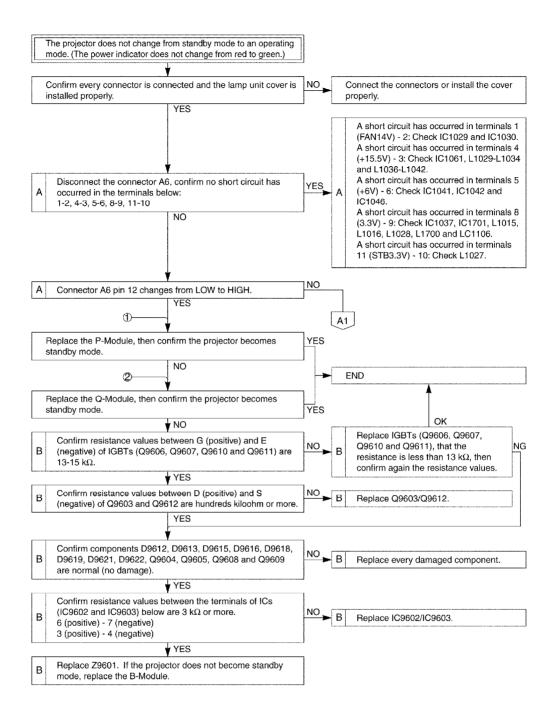
Note: (A)

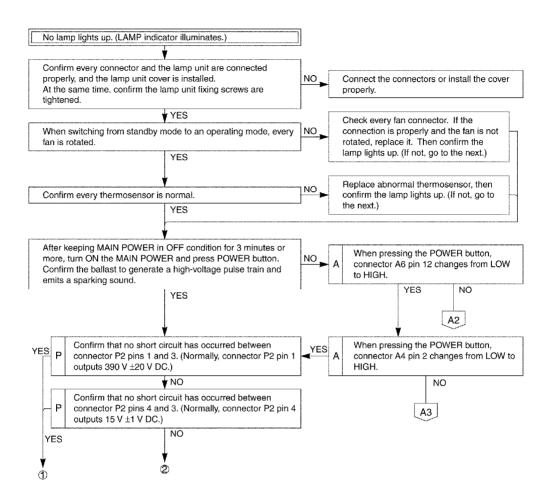
The letter of the alphabet indicates the P.C.Board or Module name.

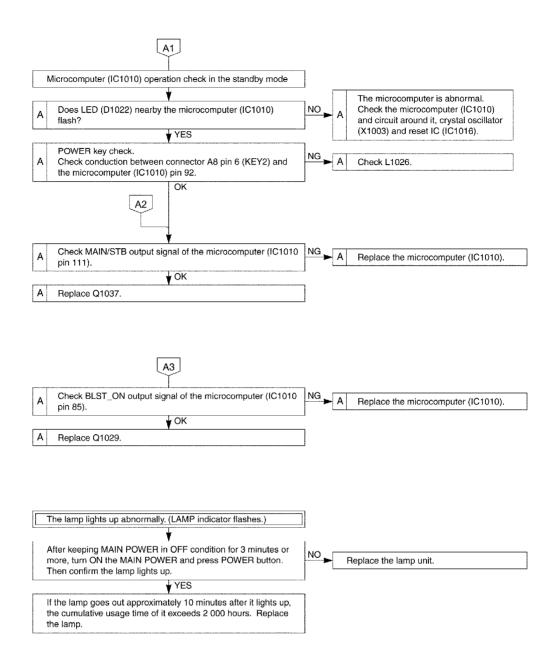
(Example) A: A-P.C.Board, K: K-Module

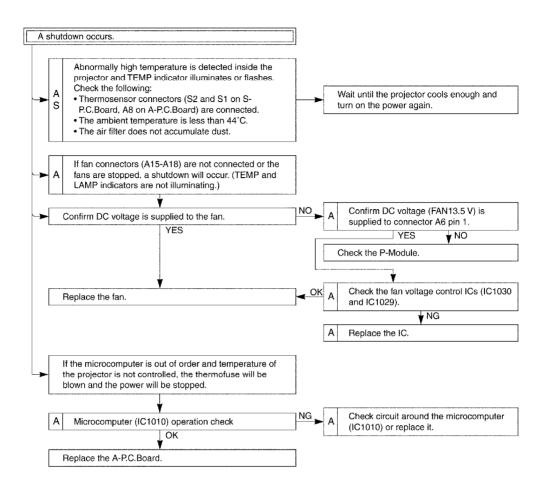
- If replacing A-P.C.Board (assembly), read the ROM data from the old P.C.Board and write it in the new one
 according to the section 7.5. "Software for Adjustment". At this time, if the readout from the old P.C.Board does
 not succeed, remove IC1011 and IC1017 from the old P.C.Board and install them on the new one.
- If replacing A-P.C.Board (assembly), adjust RGB Input Level according to the chapter 7.7. "RGB Input Level Adjustment".

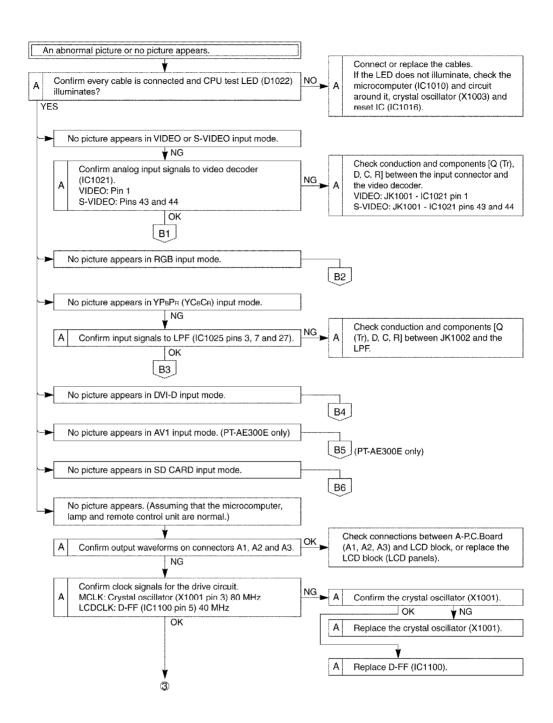


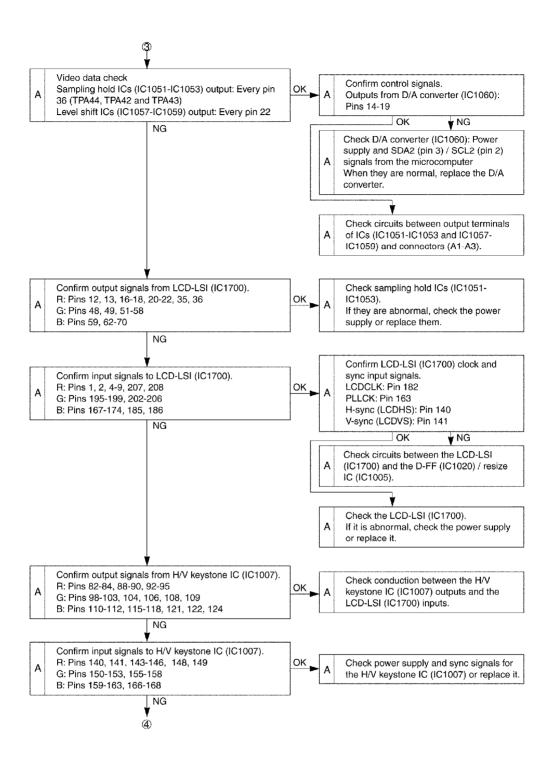


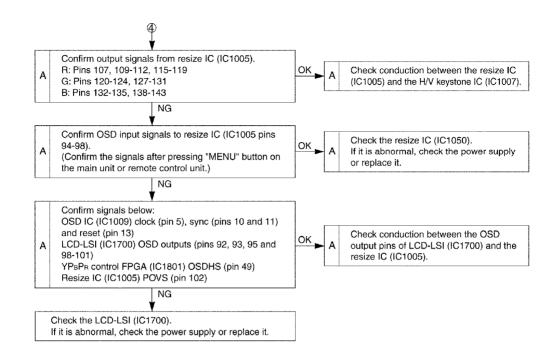


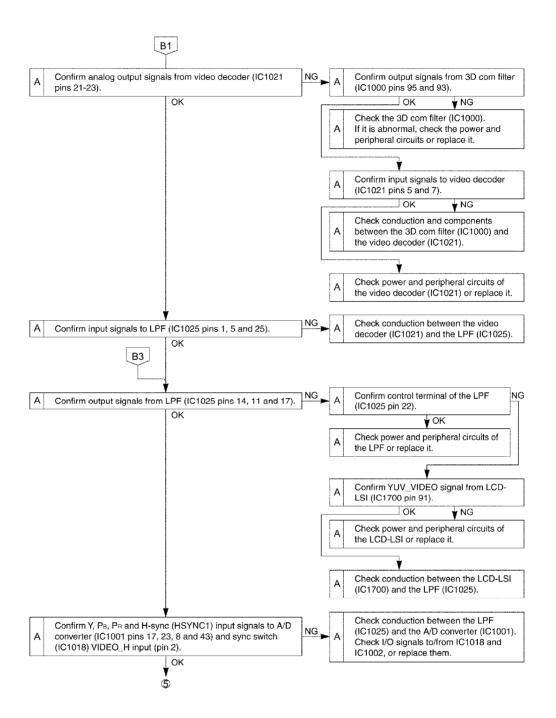


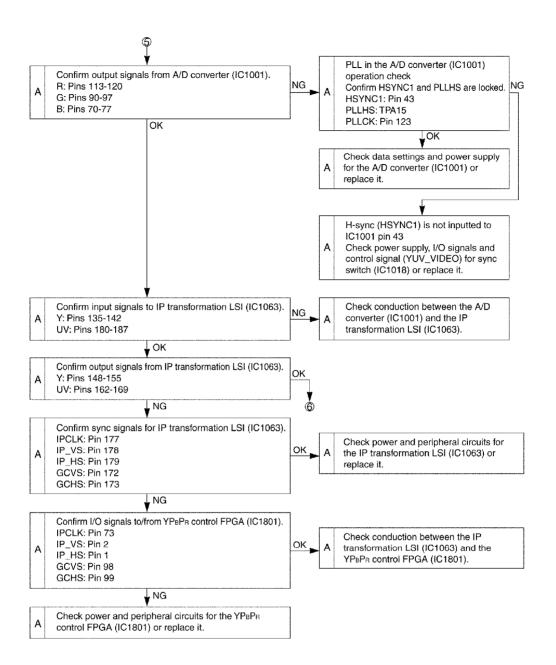


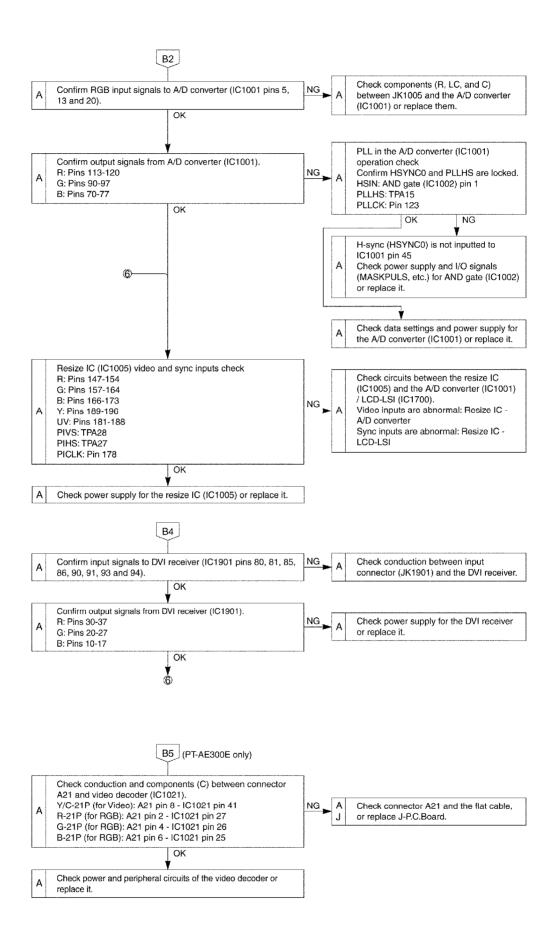


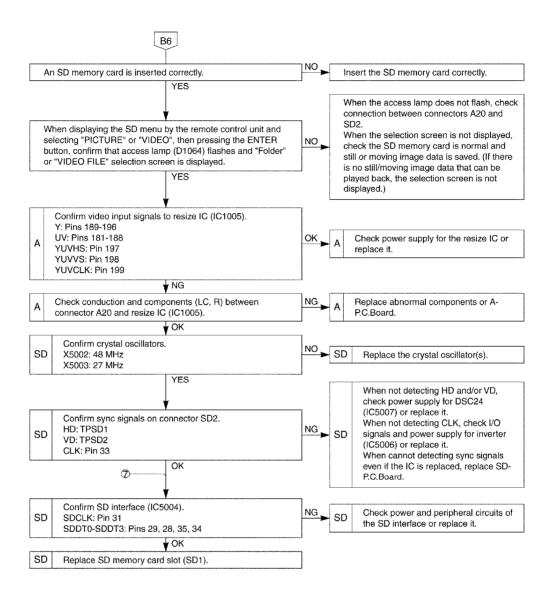


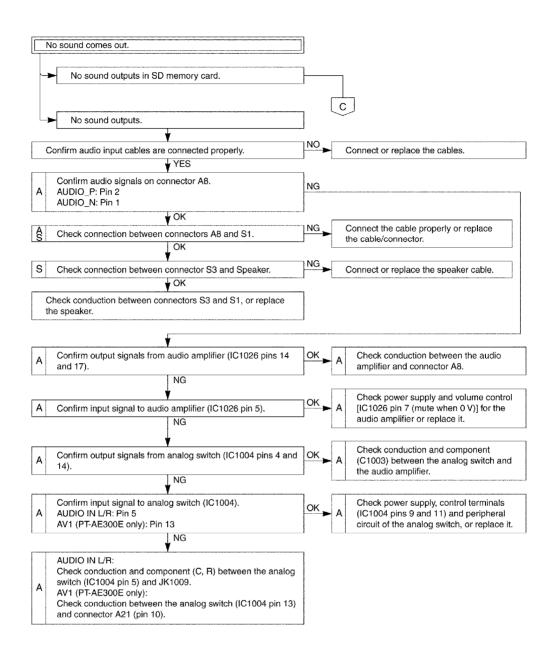


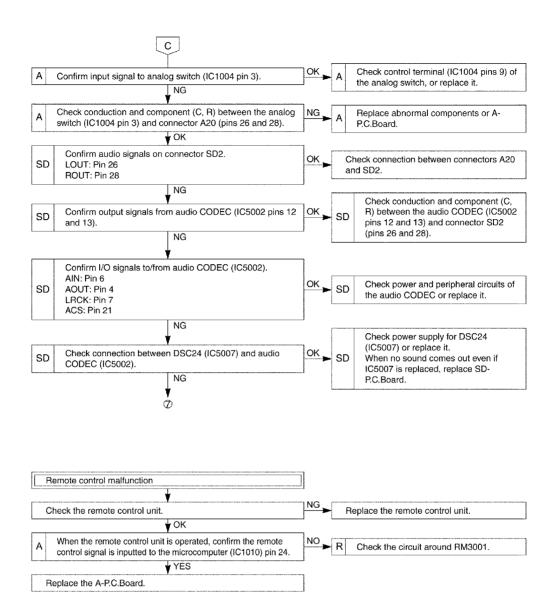












9. Interconnection Block Diagram

- 9.1. Interconnection Block Diagram (1/2)
- 9.2. Interconnection Block Diagram (2/2)

10. Block Diagram

- 10.1. Power Supply
- 10.2. Signal Processing (1/3)

- 10.3. Signal Processing (2/3)
- 10.4. Signal Processing (3/3)

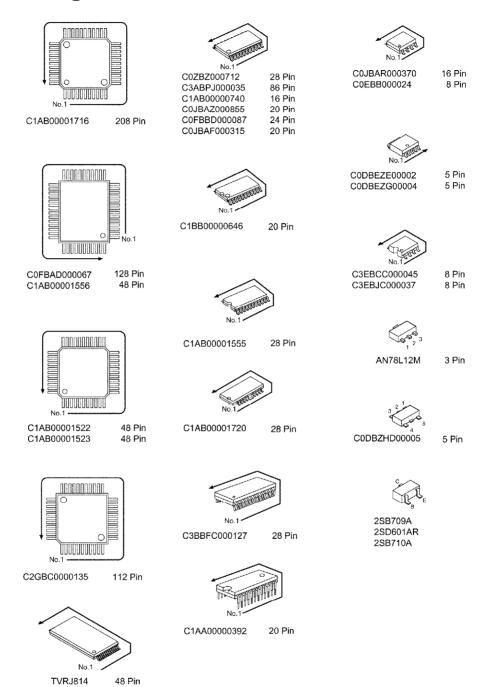
11. Schematic Diagram

	THIS SCHEMA	TIC DIAGRAM INCORPORA	- IMPORTANT SAFETY NOT TES SPECIAL FEATURES IN	IPORTANT FOR PROTECTION FROM FIRE AND ELECTRICAL SHOCK
HAZARDS. WHEN SERVICING, IT IS THE SCHEMATIC.	ESSENTIAL T	HAT ONLY MANUFACTURE	R'S SPECIFIED PARTS BE L	SED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF
chematic Dia	ıgram 1	or Model PT	-AE300E 	-
Components identified by specified ones.	the internation	al symbol Ahave special ch		ty. When replacing any of these components, use only the manufacturer's
otes:				
. Resistor				
All the resistors are carbor : Nonflammable	1/4W resistor	i, unless marked as follows:T ☑: Motal Oxide	he unit of resistance is an OH	M [Ω] (K=1 000 M=1 000 000).
△ : Solid		C : Metal Film		
☑ :Wire Wound		⊗ ; Fuse		
. Capacitor S : Temperature Compe	nestion	"N" : Electrolytic		
⊕ : Polvester		NP 科:Bipotar		
(ii) : Mctalized Polyester		① : Dipped Tantalum		
: Polypropylane		(Z) : 2-Type		
Test Point Test Point Test Point Voltage Measurement The voltage is measured by	v an electronic	voltmeter receiving the colori	bar sional when all the custom	ar's controls are set to the standard condition.
Color code for the links b	•			
Frum/To	-	To/From	Culor code	
Block diagram	←→	Schematic diagram	Magenta	
Schematic diagram	←→	Schematic diagram	Green	
Schematic diagram	←→	Circuit bnards	Ynllow	
Schematic diagram	→	Waveforms	Cyan (Light blue)	
. HOT and COLD indication	ns			
The power circuit board co- diagram. Take the precauti		area using a separate power	supply to isolate the ground co	mnection. The circuit is defined by HOT and COLD indications in the scheme
-		the time of printing and the	subject to change without	notice.
ecautions:	a me anteres	and time of printing and an	and the same of th	
 NEVER touch the HOT 	part or the HO	T and COLD parts at the san	ne time, or you may get an ele	stric shock.
2. NEVER short-circuit th	e HOT and CO	D circuits, or the fuse may b	low and the parts may break.	
				may blow.Connect the ground of instruments to the ground of the circuit being may

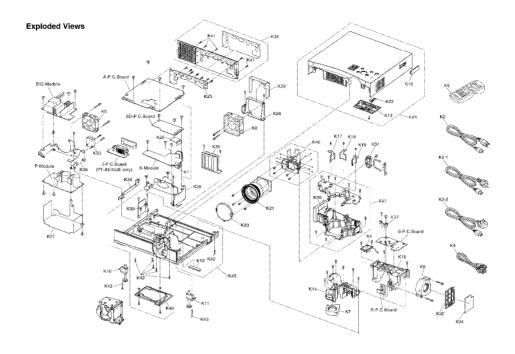
- 11.1. A-P.C.Board (1/6)
- 11.2. A-P.C.Board (2/6)
- 11.3. A-P.C.Board (3/6)
- 11.4. A-P.C.Board (4/6)
- 11.5. A-P.C.Board (5/6)
- 11.6. A-P.C.Board (6/6)
- 11.7. SD-P.C.Board
- 11.8. S-P.C.Board, R-P.C.Board, J-P.C.Board
- 11.9. **B-Module**
- 12. Circuit Boards
- 12.1. A-P.CBoard (Foil Side) SD-P.C.Board

12.2. A-P.C.Board (Component Side) S-P.C.Board

13. Terminal guide of ICs and transistors



14. Exploded Views



15. Replacement Parts List

Important Safety Notice

Components identified by the International symbol Δ have special characteristics important for safety. When replacing any of these components, use only the manufacturer's specified parts.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W

TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Carbon	F:±1%
F : Fuse	G: ±2%
M : Metal Oxide	J: ±5%
Metal Film	K: ±10%
S : Solid	M: ±20%
W - Wire Wound	l l

2. Capacitor Example:

ECKF1H103ZF C 0.01PF, Z, 50V

YPE ALLOWANCE

TYPE ALLOWANCE C : Ceramic C : ±0.25 pF E : Electrolytic D : ±0.5 pF P : Polyester F : ± 1 pF PP: Polypropylene S : Polystyrol K : ±10 % T : Tantalum K : ±20 % P : +100 %, -0 %		
E : Electrolytic P : Polyester PP: Polypropy/ene S : Polystyrol T : Tantalum D : ±0.5 pF F : ±1 pF J : ± 5 % K : ±10 % L : ±15 % M : ±20 % P : +100 %, -0 %	TYPE	ALLOWANCE
Z : +80 %, -20 %	E : Electrolytic P : Polyester PP : Polypropylene S : Polystyrol	D:±0.5 pF F:±1 pF J:±5% K:±10% L:±15% M:±20%

Notes:

For G** of Ref. No., not indicate illustration of it part on "Exploded Views".

Printed circuit board assembly with mark (RTL) is no longer available after production discontinuation of the complete set.

Ref. No.	Part No.	Part Name & Description	Remarks
		[MECHANICAL PARTS]	
		[MECHANICAL FARTO]	
G1	D4CDH5030002	TEMP SENSOR	
G2	J0KG0000052	CORE	Δ
<u>K1</u>	K0AAKA000009	AC SWITCH	Δ
<u>K2</u>	K2CG3FR00001	POWER CORD	△ PT-AE300U
<u>K2-1</u>	K2CM3FR00001	POWER CORD(EUROPE)	∆PT-AE300E
K2-2	K2CT3FR00001	POWER CORD(ENGLAND)	∆PT-AE300E
<u>K3</u>	K2KA2FA00001	AV CABLE	
<u>K4</u>	L0AA04C00002	SPEAKER	
<u>K5</u>	L6FAKCEH0004	FAN (POWER UNIT)	Δ
<u>K6</u>	L6FALEFH0019	FAN (VENTILATION FAN)	Δ
<u>K7</u>	L6FCJC9H0003	PBS FAN	Δ
<u>K8</u>	L6FCKEBH0002	FAN	Δ
<u>K9</u>	N2QAFA000002	REMOTE CONTROLLER	Δ
<u>K10</u>	TBLB0041	ADJUST LEG (RIGHT)	
<u>K11</u>	TBLB0042	ADJUST LEG (LEFT)	
K12	TBLG3042	RUBBER LEG (REAR)	
G3	TBME870	MODEL NAME PLATE	PT-AE300U
	TBME871	MODEL NAME PLATE	PT-AE300E
<u>K13</u>	TBXA38001	CONTROL BUTTON	
K14	TEEC5063-1	OPTICAL DUCT	
<u>K15</u>	TEEC5108	DUCT	
<u>K16</u>	TEFC5022	SD COVER	
<u>K17</u>	TENC0146	POLARIZING PLATE/IN (R)	
<u>K18</u>	TENC0147	POLARIZING PLATE/IN (G)	
K19	TENC0145	POLARIZING PLATE/IN (B)	
G4	TEWA195	SPACER	
G5	TEWA196	SPACER	
G6	THEC035N	SCREW	
K20	TKGF0056	PBS ARRAY	
K21	TKGF0077	LENS	

Ref. No.	Part No.	Part Name & Description	Remarks
K22	TKKC5159	LED PLATE	
K23	TKKL5249	LENS COVER	
K24	TKNE044	FILTER	
G7	TKPA72506	FRONT PANEL (LEFT)	PT-AE300U
	TKPA72507	FRONT PANEL (LEFT)	PT-AE300E
G8	TKPA72602	FRONT PANEL (RIGHT)	
K25	TKZF5025-1	TERMINAL METAL	
K26	TKZJ5042	VENTILATION FAN METAL	
G9	TMKK176	SHEET	
G10	TMKG357	SPEAKER SPACER	
G11	TMKG371	SD SPONGE	
G12	TMKG381	SPONGE	
G13	TMKX100	WASHER	
K27	TMKX332-1	SHEET (POWER UNIT)	
G14	TMKX355	SHIELD SHEET (A-PCB)	
G15	TMKX359-1	SHEET (POWER UNIT)	
G16	TMKX407	FUSE SHEET	
K28	TMKX470	SD SOCKET COVER	
K29	TMKX471	VENTILATION FAN COVER	
G17	TMME154	FUSE COVER	
G18	TMME196	SPACER	
K30	TMMX089	LAMP POWER HOLDER	
K31	TMXC017	TEMP FUSE METAL	
K32	TMZX5018	FILTER COVER	
G19	TPCB32006	CARTON	PT-AE300U
	TPCB32007	CARTON	PT-AE300E
G20	TPDA0721	SIDE PAD	
G21	TPDF0818	ACCESSARY PACKING CASE	
G22	TPDF0925-1	CUSHION	
G23	TPDF0926-1	CARRING CASE CUSHION	
G24	TPDF1002	PAD	
G25	TPEH124	SET COVER	
G26	TPEP008	CARRING CASE	
G27	TQB817002-1	SAFETY SHEET	PT-AE300U
G28	TQBH7007-1	SHEET	11712000
G29	TQBH7011	GPL SHEET	
G30	TQBJ0115	INSTRUCTION BOOK	A
000			△PT-AE300U
	TQBJ0116	INSTRUCTION BOOK	⚠PT-AE300E
G31	TQBJ7002-1	SHEET	PT-AE300U
G32	TQDJ18011	GUARANTEE CARD (USA)	PT-AE300U
G33	TQDJ18012	GUARANTEE CARD (CANADA)	PT-AE300U
G34	TQF86202	LABEL	
<u>K33</u>	TSEX8005	SWITCH	⚠ / K0ADBF000007
G35	TSXL267	FLEXIBLE CABLE (50P)	
K34	TTPA0288	TERMINAL COVER ASSY	PT-AE300U
_	TTPA0289	TERMINAL COVER ASSY	PT-AE300E
G36	TUCA5006	SHIELD BOARD(D-TERMINAL)	PT-AE300E
K35	TUCA5007A	SHIELD BOARD	
		POWER BOX	
K36	LUCCARRO	- O.I.E. DOX	i i
K36	TUCC5830	HEAT SINK 1	
G37	TUCJ5454	HEAT SINK 1	
		HEAT SINK 1 HEAT SINK 2 GROUND METAL(A-P-S)	

Ref. No.	Part No.	Part Name & Description	Remarks
K39	TUWC046	INSTAL METAL (K-PCB)	
K40	TXFKK01VJN9	LAMP COVER	
G39	TXJ/K1VJJ3B	TEMPERATURE FUSE	Δ
G40	XQN2+C3FZ	SCREW	
<u>K41</u>	XSN3+8FZ	SCREW	
<u>K42</u>	XSN4+10	SCREW	
G41	XSN4+15	SCREW	
G42	XTBT969Z	SCREW	
G43	XTN3+6G	SCREW	
G44	XTV3+10G	SCREW	
G45	XTW3+8P	TAPPING SCREW	
G46	XYN2+F6	SCREW	
G47	XYN3+F20	SCREW	
G48	XYN3+F30FZ	SCREW	
G49	XYN3+F6	SCREW	
G50	XYN3+F8	SCREW	
G51	XYN3+J8	SCREW	
G52	XYN4+E8	SCREW	
G53	XYN4+J10	SCREW	
<u>K43</u>	XYN4+J30	SCREW	
G54	XZBT6532	BAG	PT-AE300U
<u>K44</u>	TXFKF98PRQZ	UPPER COVER ASSY	
<u>K45</u>	TXFKF99PRTZ	BOTTOM COVER ASSY	PT-AE300U
	TXFKF99PRUZ	BOTTOM COVER ASSY	PT-AE300E
<u>K46</u>	TXFEN99VJR1	OPTICAL BLOCK	
<u>K47</u>	TXFEC99VJR1A	ANALYSIS BLOCK	
		[INTEGRATED CIRCUIT]	
IC101	C0DBZZZ00046	I.C	
IC1000	C1AB00001631	I.C	
IC1001	C0FBAD000067	I.C	
IC1002	TC7SH08F	I.C	
IC1003	M52036SP	I.C	C1AA00000392
IC1004	C0JBAR000370	I.C	
IC1005	C1AB00001717	I.C	
IC1006	C3ABPJ000035	I.C	
IC1007	C1AB00001718	I.C	
IC1008	C3ABPJ000035	I.C	
IC1009	C0ZBZ0000712	I.C	
IC1010	C2GBC0000135	I.C	
IC1011	TVRJ827-2	I.C	
IC1012	TC74LCX574FT	I.C	
IC1013	TC7SH32FTL	I.C	C0JBAE000146
IC1016	M51957BFP	I.C	C0EBB0000024
IC1017	C3EBJC000037	I.C	
IC1018	C0JBAZ000280	I.C	
IC1021	C1AB00001556	I.C	
IC1023	M52065FP	I.C	C1AB00000739
IC1024	C3EBCC000045	I.C	
IC1025	C1AB00001720	I.C	
		1	1
IC1026	C1BB00000646	I.C	
IC1026 IC1027	C1BB00000646 C3BBFC000127	I.C	

Ref. No.	Part No.	Part Name & Description	Remarks
IC1029	C0DBEZE00002	I.C	
IC1030	C0DBEZE00002	I.C	
IC1032	C0JBAZ000280	I.C	
IC1033	C0JBAZ000280	I.C	
IC1034	C0JBAZ000280	I.C	
IC1037	C0DBEZG00004	I.C	
IC1037	C0DBEZG00004	I.C	
IC1030	C0DBZHD00005	I.C	
IC1041	C0DBFGE00002	I.C	
IC1042	C0DBI GE00002	I.C	
IC1040	C1AB00001523	I.C	
IC1051	C1AB00001523	I.C	
IC1053	C1AB00001523	I.C	
IC1057	C1AB00001522	I.C	
IC1058	C1AB00001522	I.C	
IC1059	C1AB00001522	I.C	0050000000
IC1060	M62398FP	I.C	C0FBBD000087
IC1061	AN78L12M	I.C	
IC1063	C1AB00001703	I.C	
IC1064	C3ABPJ000035	I.C	
IC1065	C0JBAZ000529	I.C	
IC1071	C0JBAZ000855	I.C	
IC1100	C0JBAF000367	I.C	
IC1700	C1AB00001721	I.C	
IC1701	C0DBEZG00004	I.C	
IC1801	6010ATC100-3	I.C	C1ZBZ0001760
IC1901	C1AB00001745	I.C	
IC1902	24LC21T-I/SN	I.C	C3EBCC000020
IC1904	C0CBABD00015	I.C	
IC1905	C0CBABD00015	I.C	
IC1906	C0JBAZ001870	I.C	
IC5001	TVRJ815-1	I.C	
IC5002	C1BB00000738	I.C	
IC5003	C3ABQJ000007	I.C	
IC5004	MN5773	I.C	
IC5005	C0JBAF000367	I.C	
IC5006	C0JBAB000003	I.C	
IC5007	C1AB00001750	I.C	
IC5009	C0DBFFD00003	I.C	
IC9602	C0ZAZ0000077	I.C	
IC9603	C0ZAZ0000077	I.C	
IC9701	C0DBALC00005	I.C	
IC9707	AN78L09M	I.C	
IC9708	AN78L05M	I.C	
		[TRANSISTORS]	
Q101	2SK2837	TRANSISTOR	B1DEHQ000001
Q131	B1DEGQ000017	TRANSISTOR	
Q251	UN2211	TRANSISTOR	UNR2211
Q1001	2SD601AR	TRANSISTOR	2SD0601AR
	1		
Q1002	2SD601AR	TRANSISTOR	2SD0601AR
Q1002 Q1003	2SD601AR 2SD601AR	TRANSISTOR	2SD0601AR 2SD0601AR

Ref. No.	Part No.	Part Name & Description	Remarks
Q1005	2SD601AR	TRANSISTOR	2SD0601AR
Q1006	2SD601AR	TRANSISTOR	2SD0601AR
Q1007	2SD601AR	TRANSISTOR	2SD0601AR
Q1008	2SD601AR	TRANSISTOR	2SD0601AR
Q1009	2SB709A	TRANSISTOR	2SB0709A
Q1010	2SD601AR	TRANSISTOR	2SD0601AR
Q1011	2SB709A	TRANSISTOR	2SB0709A
Q1012	2SB709A	TRANSISTOR	2SB0709A
Q1014	2SD601AR	TRANSISTOR	2SD0601AR
Q1016	2SD601AR	TRANSISTOR	2SD0601AR
Q1018	2SD601AR	TRANSISTOR	2SD0601AR
Q1019	2SD601AR	TRANSISTOR	2SD0601AR
Q1020	2SD601AR	TRANSISTOR	2SD0601AR
Q1020 Q1021	2SD601AR	TRANSISTOR	2SD0601AR
	2SB709A	TRANSISTOR	2SB0709A
Q1022			+
Q1023	2SD601AR	TRANSISTOR	2SD0601AR
Q1024	2SB709A	TRANSISTOR	2SB0709A
Q1025	2SD601AR	TRANSISTOR	2SD0601AR
Q1026	2SB709A	TRANSISTOR	2SB0709A
Q1027	2SD601AR	TRANSISTOR	2SD0601AR
Q1028	2SB709A	TRANSISTOR	2SB0709A
Q1029	2SD601AR	TRANSISTOR	2SD0601AR
Q1030	2SD601AR	TRANSISTOR	2SD0601AR
Q1031	2SD601AR	TRANSISTOR	2SD0601AR
Q1032	2SD601AR	TRANSISTOR	2SD0601AR
Q1037	2SD601AR	TRANSISTOR	2SD0601AR
Q1057	2SB709A	TRANSISTOR	2SB0709A
Q1058	2SB709A	TRANSISTOR	2SB0709A
Q1059	2SB709A	TRANSISTOR	2SB0709A
Q1070	2SK620	FET	2SK0620
Q1071	2SK620	FET	2SK0620
Q1073	2SD601AR	TRANSISTOR	2SD0601AR
Q1074	2SD601AR	TRANSISTOR	2SD0601AR
Q1075	2SB709A	TRANSISTOR	2SB0709A
Q1700	2SD601AR	TRANSISTOR	2SD0601AR
Q2001	2SD601AR	TRANSISTOR	2SD0601AR
Q2002	2SD601AR	TRANSISTOR	2SD0601AR
Q2003	2SB709A	TRANSISTOR	2SB0709A
Q2004	2SB709A	TRANSISTOR	2SB0709A
Q3401	2SD601AR	TRANSISTOR	PT-AE300E
Q3402	2SD601AR	TRANSISTOR	PT-AE300E
Q3403	2SD601AR	TRANSISTOR	PT-AE300E
Q3404	2SD601AR	TRANSISTOR	PT-AE300E
Q9603	B1DEGQ000017	TRANSISTOR	
Q9604	2SB710A	TRANSISTOR	2SB0710A
Q9605	2SB710A	TRANSISTOR	2SB0710A
Q9606	B1JACQ000002	TRANSISTOR	
Q9607	B1JACQ000002	TRANSISTOR	
Q9608	2SB710A	TRANSISTOR	2SB0710A
Q9609	2SB710A	TRANSISTOR	2SB0710A
Q9610	B1JACQ000002	TRANSISTOR	
Q9611	B1JACQ000002	TRANSISTOR	
	2.070400002		
Q9612	B1DEGQ000017	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
		[DIODES]	
D101	B0FBBR000011	DIODE	
D151	S1VBA60	DIODE	
D1001	MA3056M	ZENER DIODE	MAZ30560M
D1002	MA3033H	DIODE	
D1003	MA3033H	DIODE	
D1004	MA3056M	ZENER DIODE	MAZ30560M
D1005	MA3056M	ZENER DIODE	MAZ30560M
D1006	MA3033H	DIODE	
D1007	MA3056M	ZENER DIODE	MAZ30560M
D1008	MA3056M	ZENER DIODE	MAZ30560M
D1009	MA157A	DIODE	MA3X157A
D1010	MA157A	DIODE	MA3X157A
D1011	MA157A	DIODE	MA3X157A
D1012	MA157A	DIODE	MA3X157A
D1013	MA157A	DIODE	MA3X157A
D1021	MA157A	DIODE	MA3X157A
D1022	LNJ208R8ARA	LED	
D1025	MA157A	DIODE	MA3X157A
D1026	MA157A	DIODE	MA3X157A
D1027	MA157A	DIODE	MA3X157A
D1030	MA157A	DIODE	MA3X157A
D1031	MA157A	DIODE	MA3X157A
D1032	MA721	DIODE	
D1064	LNJ310M6URA	LED	
D1066	D4B503390001	THERMISTOR	
D1901	MA3056M	ZENER DIODE	MAZ30560M
D1903	MA3056M	ZENER DIODE	MAZ30560M
D1904	MA3056M	ZENER DIODE	MAZ30560M
D1904 D1905	B0KB00000022	DIODE	WAZSOSOW
	+		
D1906	B0KB00000022	DIODE	
D2001	LNJ208R8ARA	LED	
D2002	LNJ208R8ARA	LED	
D2003	LNJ107W5ARA1	LED	14 40 V 4 F - 1
D3001	MA157A	DIODE	MA3X157A
D3401	MA157A	DIODE	PT-AE300E
D3402	MA3056M	ZENER DIODE	PT-AE300E
D3403	MA157A	DIODE	PT-AE300E
D3404	MA157A	DIODE	PT-AE300E
D3405	MA157A	DIODE	PT-AE300E
D9101	ERZV14D471	VARISTOR	<u> </u>
D9612	MA158	DIODE	MA3X158
D9613	MA720	DIODE	MA3X720
D9615	MA158	DIODE	MA3X158
D9616	MA720	DIODE	MA3X720
D9618	MA158	DIODE	MA3X158
D9619	MA720	DIODE	MA3X720
D9621	MA158	DIODE	MA3X158
D9622	MA720	DIODE	MA3X720
		[COILS]	
L1001	EXCML16A270U	COIL	

Ref. No. Part No. Part Name & Description Remarks	
L1006 ELJFA270JF COIL L1007 ELJFA270JF COIL L1008 EXCML16A270U COIL L1009 EXCML16A270U COIL L1010 EXCML16A270U COIL L1011 EXCML16A270U COIL L1011 EXCML16A270U COIL L1011 EXCML16A270U COIL L1011 EXCML16A270U COIL L1013 EXCML16A270U COIL L1014 EXCML16A270U COIL L1015 EXCML16A270U COIL L1016 EXCML16A270U COIL L1017 ELJFA470JF COIL L1018 EXCML16A270U COIL L1019 ELJFAA70JF COIL L1019 ELJFAA70JF COIL L10102 ELJFA470JF COIL L1020 ELJFA470JF COIL L1021 EXCML16A270U COIL L1022 EXCML16A270U COIL L1023 EXCML16A270U COIL L1024 EXCML16A270U COIL L1025 EXCML16A270U COIL L1026 EXCML16A270U COIL L1027 EXCML16A270U COIL L1028 EXCML16A270U COIL L1029 EXCML16A270U COIL L1029 EXCML16A270U COIL L1020 EXCML16A270U COIL L1021 EXCML16A270U COIL L1022 EXCML16A270U COIL L1023 EXCML16A270U COIL L1024 EXCML16A270U COIL L1025 EXCML16A270U COIL L1026 EXCML16A270U COIL L1027 EXCML16A270U COIL L1028 EXCML16A270U COIL L1030 EXCML16A270U COIL L1031 EXCML16A270U COIL L1032 EXCML16A270U COIL L1033 EXCML16A270U COIL L1034 EXCML16A270U COIL L1035 EXCML16A270U COIL L1036 EXCML16A270U COIL L1037 EXCML16A270U COIL L1038 EXCML16A270U COIL L1039 EXCML16A270U COIL L1039 EXCML16A270U COIL L1039 EXCML16A270U COIL L1039 EXCML16A270U COIL L1030 EXCML16A270U COIL L1031 EXCML16A270U COIL L1032 EXCML16A270U COIL L1033 EXCML16A270U COIL L1034 EXCML16A270U COIL L1035 EXCML16A270U COIL L1036 EXCML16A270U COIL L1037 EXCML16A270U COIL L1038 EXCML16A270U COIL L1039 EXCML16A270U COIL L1040 EXCML16A270U COIL L1041 EXCML16A270U COIL L1042 EXCML16A270U COIL L1044 EXCML16A270U COIL L1044 EXCML16A270U COIL	
L1007 ELJFA270JF COIL L1008 EXCML16A270U COIL L1010 EXCML16A270U COIL L1011 EXCML16A270U COIL L1011 EXCML16A270U COIL L1011 EXCML16A270U COIL L1012 EXCML16A270U COIL L1013 EXCML16A270U COIL L1014 EXCML16A270U COIL L1015 EXCML16A270U COIL L1016 EXCML16A270U COIL L1017 ELJFA470JF COIL L1018 EXCML16A270U COIL L1019 ELJFA470JF COIL L1019 ELJFA470JF COIL L1020 ELJFA470JF COIL L1021 EXCML16A270U COIL L1022 EXCML16A270U COIL L1023 EXCML16A270U COIL L1024 EXCML16A270U COIL L1025 EXCML16A270U COIL L1026 EXCML16A270U COIL L1027 EXCML16A270U COIL L1028 EXCML16A270U COIL L1029 EXCML16A270U COIL L1020 EXCML16A270U COIL L1021 EXCML16A270U COIL L1022 EXCML16A270U COIL L1023 EXCML16A270U COIL L1024 EXCML16A270U COIL L1025 EXCML16A270U COIL L1026 EXCML16A270U COIL L1027 EXCML16A270U COIL L1028 EXCML16A270U COIL L1030 EXCML16A270U COIL L1030 EXCML16A270U COIL L1031 EXCML16A270U COIL L1032 EXCML16A270U COIL L1033 EXCML16A270U COIL L1034 EXCML16A270U COIL L1035 EXCML16A270U COIL L1036 EXCML16A270U COIL L1037 EXCML16A270U COIL L1038 EXCML16A270U COIL L1039 EXCML16A270U COIL L1030 EXCML16A270U COIL L1031 EXCML16A270U COIL L1032 EXCML16A270U COIL L1033 EXCML16A270U COIL L1034 EXCML16A270U COIL L1035 EXCML16A270U COIL L1036 EXCML16A270U COIL L1037 EXCML16A270U COIL L1038 EXCML16A270U COIL L1039 EXCML16A270U COIL L1030 EXCML16A270U COIL L1031 EXCML16A270U COIL L1032 EXCML16A270U COIL L1033 EXCML16A270U COIL L1034 EXCML16A270U COIL L1035 EXCML16A270U COIL L1044 EXCML16A270U COIL L1044 EXCML16A270U COIL	
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L1031 EXCML16A270U COIL L1032 EXCML16A270U COIL L1033 EXCML16A270U COIL L1034 EXCML16A270U COIL L1035 EXCML16A270U COIL L1036 EXCML16A270U COIL L1037 EXCML16A270U COIL L1038 EXCML16A270U COIL L1039 EXCML16A270U COIL L1040 EXCML16A270U COIL L1041 EXCML16A270U COIL L1042 EXCML16A270U COIL L1043 EXCML16A270U COIL L1044 EXCML16A270U COIL L1045 EXCML16A270U COIL L1045 EXCML16A270U COIL	
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L1048 EXCML16A270U COIL	
L1049 EXCML16A270U COIL	
L1050 ELJFA470JF COIL	
L1051 EXCML16A270U COIL	
L1052 EXCML16A270U COIL	
L1053 ELJFA150JF COIL	
L1057 EXCML16A270U COIL	
L1058 EXCML16A270U COIL	
L1059 EXCML16A270U COIL	
L1060 EXCML16A270U COIL	
L1061 EXCML16A270U COIL	

Ref. No.	Part No.	Part Name & Description	Remarks
L1062	EXCML16A270U	COIL	
L1100	EXCML16A270U	COIL	
L1700	EXCML16A270U	COIL	
L1901	EXCML16A270U	COIL	
L1902	EXCML16A270U	COIL	
L1903	EXCML16A270U	COIL	
L1904	EXCML16A270U	COIL	
L1905	EXCML16A270U	COIL	
L3401	EXCML16A270U	COIL	PT-AE300E
L3402	EXCML16A270U	COIL	PT-AE300E
L5001	EXCML16A270U	COIL	
L5002	EXCML16A270U	COIL	
L5003	EXCML16A270U	COIL	
L5004	EXCML16A270U	COIL	
L5005	EXCML16A270U	COIL	
L5006	EXCML16A270U	COIL	
L9101	G0BYYYG00006	COIL	Δ
			1=7
LC1003	J0HABB000015	FILTER	
LC1004	J0HABB000015	FILTER	
LC1005	J0HABB000015	FILTER	
LC1100	EZASCE101M	CAPACITOR ARRAY	
LC1101	EZASCE101M	CAPACITOR ARRAY	
LC1102	EZASCE101M	CAPACITOR ARRAY	
LC1103	EZASCE101M	CAPACITOR ARRAY	
	EXCCET103U	EMI FILTER	
LC1106			
LC5003	EXCCET103U	EMI FILTER	
		EMI FILTER [RESISTORS]	
LC5003			
LC5003 R134	EXCCET103U	[RESISTORS] M 3.3 OHM, 2W	
R134 R151	EXCCET103U ERX2SJ3R3	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W	
R134 R151	ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W	
R134 R151 R1001 R1002	ERX2SJ3R3 ERDS1TJ100	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 22K OHM,J,1/16W	
R134 R151 R1001 R1002 R1003	ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ3GEYJ223	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 22K OHM,J,1/16W M 75 OHM, 1/10W	
R134 R151 R1001 R1002 R1003 R1004	ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ3GEYJ223 ERJ6ENF75R0 ERJ6ENF75R0	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 22K OHM,J,1/16W M 75 OHM, 1/10W M 75 OHM, 1/10W	
R134 R151 R1001 R1002 R1003 R1004 R1005	EXCCET103U ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 22K OHM,J,1/16W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W	
R134 R151 R1001 R1002 R1003 R1004 R1005 R1006	EXCCET103U ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 22K OHM,J,1/16W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 18K OHM,J,1/16W	
R134 R151 R1001 R1002 R1003 R1004 R1005 R1006 R1007	EXCCET103U ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0 ERJ3GEYJ183 ERJ3GEYJ331	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 22K OHM,J,1/16W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 18K OHM,J,1/16W M 330 OHM,J,1/16W	
R134 R151 R1001 R1002 R1003 R1004 R1005 R1006 R1007 R1008	EXCCET103U ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0 ERJ3GEYJ183 ERJ3GEYJ331	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 22K OHM, J,1/16W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 350 OHM,J,1/16W M 330 OHM,J,1/16W	
R134 R151 R1001 R1002 R1003 R1004 R1005 R1006 R1007 R1008 R1009	EXCCET103U ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0 ERJ3GEYJ183 ERJ3GEYJ331	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 330 OHM,J,1/16W M 330 OHM,J,1/16W M 1K OHM,J,1/16W	
R134 R151 R1001 R1002 R1003 R1004 R1005 R1006 R1007 R1008 R1009 R1010	ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ6ENF75R0 ERJ6ENF75R0 ERJ3GEYJ183 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ331	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 330 OHM,J,1/16W M 330 OHM,J,1/16W M 1K OHM,J,1/16W M 1K OHM,J,1/16W M 4.7KOHM,J,1/16W	
R134 R151 R1001 R1002 R1003 R1004 R1005 R1006 R1007 R1008 R1009 R1010 R1011	EXCCET103U ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ3GEYJ223 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0 ERJ3GEYJ183 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ472 ERJ3GEYJ562	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 18K OHM,J,1/16W M 330 OHM,J,1/16W M 330 OHM,J,1/16W M 1K OHM,J,1/16W M 1K OHM,J,1/16W M 5.6KOHM,J,1/16W	
R134 R151 R1001 R1002 R1003 R1004 R1005 R1006 R1007 R1008 R1009 R1010 R1011 R1011	EXCCET103U ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ3GEYJ223 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0 ERJ3GEYJ183 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ104	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 330 OHM,J,1/16W M 330 OHM,J,1/16W M 34 OHM,J,1/16W M 1K OHM,J,1/16W	
R134 R151 R1001 R1002 R1003 R1004 R1005 R1006 R1007 R1008 R1009 R1010 R1011 R1012 R1013	EXCCET103U ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0 ERJ3GEYJ183 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ562 ERJ3GEYJ472	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 22K OHM,J,1/16W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 330 OHM,J,1/16W M 330 OHM,J,1/16W M 340 OHM,J,1/16W M 16 OHM,J,1/16W M 17 OHM,J,1/16W M 17 OHM,J,1/16W M 18 OHM,J,1/16W M 19 OHM,J,1/16W M 100KOHM,J,1/16W M 100KOHM,J,1/16W	
R134 R151 R1001 R1002 R1003 R1004 R1005 R1006 R1007 R1008 R1009 R1010 R1011 R1012 R1013 R1014	EXCCET103U ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0 ERJ3GEYJ183 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ562 ERJ3GEYJ472 ERJ3GEYJ104 ERJ3GEYJ562	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 22K OHM,J,1/16W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 330 OHM,J,1/16W M 330 OHM,J,1/16W M 340 OHM,J,1/16W M 1K OHM,J,1/16W M 1K OHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W M 4.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W	
R134 R151 R1001 R1002 R1003 R1004 R1005 R1006 R1007 R1008 R1009 R1010 R1011 R1012 R1013 R1014 R1015	EXCCET103U ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0 ERJ3GEYJ183 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ562 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ472	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 330 OHM,J,1/16W M 330 OHM,J,1/16W M 1K OHM,J,1/16W M 1K OHM,J,1/16W M 1K OHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W M 4.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W M 4.7KOHM,J,1/16W	
R134 R151 R1001 R1002 R1003 R1004 R1005 R1006 R1007 R1008 R1009 R1010 R1011 R1012 R1013 R1014 R1015 R1016	EXCCET103U ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0 ERJ3GEYJ183 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ562	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 330 OHM,J,1/16W M 330 OHM,J,1/16W M 1K OHM,J,1/16W M 1K OHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W M 4.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W	
R134 R151 R1001 R1002 R1003 R1004 R1005 R1006 R1007 R1008 R1009 R1010 R1011 R1012 R1013 R1014 R1015 R1016 R1017	EXCCET103U ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0 ERJ3GEYJ183 ERJ3GEYJ183 ERJ3GEYJ102 ERJ3GEYJ102 ERJ3GEYJ472	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 18K OHM,J,1/16W M 330 OHM,J,1/16W M 330 OHM,J,1/16W M 1K OHM,J,1/16W M 1K OHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W M 4.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W M 4.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 4.7KOHM,J,1/16W	
R134 R151 R1001 R1002 R1003 R1004 R1005 R1006 R1007 R1010 R1011 R1012 R1013 R1014 R1015 R1016 R1017 R1018	EXCCET103U ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ3GEYJ223 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ562 ERJ3GEYJ472 ERJ3GEYJ562 ERJ3GEYJ562	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 18K OHM,J,1/16W M 330 OHM,J,1/16W M 330 OHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W M 4.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W	
R134 R151 R1001 R1002 R1003 R1004 R1005 R1006 R1007 R1008 R1010 R1011 R1012 R1013 R1014 R1015 R1016 R1017 R1018 R1019	EXCCET103U ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0 ERJ3GEYJ183 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ562 ERJ3GEYJ562 ERJ3GEYJ472 ERJ3GEYJ562 ERJ3GEYJ562 ERJ3GEYJ560 ERJ3GEYJ560	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 22K OHM,J,1/16W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 330 OHM,J,1/16W M 330 OHM,J,1/16W M 34.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W	
R134 R151 R1001 R1002 R1003 R1004 R1005 R1006 R1007 R1008 R1009 R1010 R1011 R1012 R1013 R1014 R1015 R1016 R1017 R1018 R1019 R1019 R1010	EXCCET103U ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0 ERJ3GEYJ183 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ562 ERJ3GEYJ472 ERJ3GEYJ562 ERJ3GEYJ472 ERJ3GEYJ562 ERJ3GEYJ562 ERJ3GEYJ560 ERJ3GEYJ560 ERJ3GEYJ560 ERJ3GEYJ560 ERJ3GEYJ560	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 330 OHM,J,1/16W M 330 OHM,J,1/16W M 330 OHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W M 4.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W	
R134 R151 R1001 R1002 R1003 R1004 R1005 R1006 R1007 R1010 R1011 R1012 R1013 R1014 R1015 R1016 R1017 R1018	EXCCET103U ERX2SJ3R3 ERDS1TJ100 ERJ3GEYJ223 ERJ6ENF75R0 ERJ6ENF75R0 ERJ6ENF75R0 ERJ3GEYJ183 ERJ3GEYJ331 ERJ3GEYJ331 ERJ3GEYJ472 ERJ3GEYJ472 ERJ3GEYJ562 ERJ3GEYJ562 ERJ3GEYJ472 ERJ3GEYJ562 ERJ3GEYJ562 ERJ3GEYJ560 ERJ3GEYJ560	[RESISTORS] M 3.3 OHM, 2W C 10 OHM,J, 1/2W M 22K OHM,J,1/16W M 22K OHM,J,1/16W M 75 OHM, 1/10W M 75 OHM, 1/10W M 75 OHM, 1/10W M 330 OHM,J,1/16W M 330 OHM,J,1/16W M 34.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W M 4.7KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W M 5.6KOHM,J,1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1024	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1025	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1026	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1027	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1028	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R1030	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1031	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1032	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1033	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1034	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1035	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R1036	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R1037	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R1038	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R1039	ERJ6ENF75R0	M 75 OHM, 1/10W	
R1040	ERJ6ENF75R0	M 75 OHM, 1/10W	
R1041	ERJ6ENF75R0	M 75 OHM, 1/10W	
R1042	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1043	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R1044	ERJ3GEYJ681	M 680 OHM, J,1/16W	
R1045	ERJ3GEYJ103	M 10K OHM, J,1/16W	
R1046	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R1047	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1048	ERJ3GEYJ122	M 1.2KOHM,J,1/16W	
R1051	ERJ3GEYJ330	M 330 OHM,J,1/16W	
R1052	ERJ3GEYJ273	M 27KOHM,J,1/16W	
R1053	ERJ3GEYJ392	M 3.9KOHM,J,1/16W	
R1055	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1056	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1057	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1058	ERJ1TYJ470	M 47 OHM, J, 1W	
R1059	ERJ1TYJ470	M 47 OHM, J, 1W	
R1060	ERJ1TYJ470	M 47 OHM, J, 1W	
R1062	ERJ1TYJ470	M 47 OHM, J, 1W	
R1063	ERJ3GEYJ154	M 150KOHM,J,1/16W	
R1064	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R1065	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R1066	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R1067	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1069	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1070	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1074	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1077	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R1078	ERJ3GEYJ821	M 820 OHM,J,1/16W	
R1079	ERJ3GEYJ821	M 820 OHM,J,1/16W	
R1080	ERJ6ENF2001	M 2KOHM, 1/10W	
R1081	ERJ3GEYJ180	M 18 OHM,J,1/16W	
R1084	ERJ3GEYJ180	M 18 OHM,J,1/16W	
R1085	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R1087	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	
R1088	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R1090	ERJ6ENF1000	M 100 OHM, 1/10W	
R1093	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1095	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1096	ERJ3GEYJ180	M 18 OHM,J,1/16W	
R1097	ERJ3GEYJ391	M 390 OHM,J,1/16W	D0GB391JA002
R1100	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1101	ERJ3GEYJ333	M 33K OHM,J,1/16W	
R1102	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1103	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1104	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1105	ERJ6ENF2001	M 2KOHM, 1/10W	
R1106	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1107	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R1108	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1109	ERJ3GEYJ154	M 150KOHM,J,1/16W	
R1110	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R1111	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R1112	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1113	ERJ6ENF1000	M 100 OHM, 1/10W	
R1114	ERJ3GEYJ681	M 680 OHM,J,1/16W	
R1115	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1116	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1117	ERJ3GEYJ333	M 33K OHM,J,1/16W	
R1118	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1119	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1120	ERJ3GEYJ103		
		M 10K OHM,J,1/16W	
R1121	ERJ3GEYJ223	M 22K OHM,J,1/16W	
R1122	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1123	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1125	ERJ3GEYJ103	M 10K OHM, J,1/16W	
R1126	ERJ3GEYJ472	M 4.7KOHM, J.1/16W	
R1127	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R1128	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R1129	ERJ3GEYJ472	M 4.7KOHM, J,1/16W	
R1130	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	
R1131	ERJ6GEYJ3R3	M3.3OHM,J, 1/10W	
R1132	ERJ6GEYJ3R3	M3.3OHM,J, 1/10W	
R1133	ERJ6GEYJ3R3	M3.3OHM,J, 1/10W	
R1134	ERJ6GEYJ3R3	M3.3OHM,J, 1/10W	
R1135	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1137	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1139	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R1140	ERJ3GEYJ151	M 150 OHM,J,1/16W	
R1141	ERJ3GEYJ151	M 150 OHM,J,1/16W	
R1143	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1144	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1145	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1146	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1147	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1148	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1149	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1150	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1151	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R1152	EXB38V560J	RESISTOR ARRAY	
R1153	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R1154	ERJ6ENF3301	M 3.3KOHM, 1/10W	
R1155	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1156	ERJ3GEYJ183	M 18K OHM,J,1/16W	
R1157	EXB38V560J	RESISTOR ARRAY	
R1159	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1160	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	
R1161	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	
R1162	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1163	ERJ3GEYJ223	M 22K OHM,J,1/16W	
R1164	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1165	ERJ3GEYJ183	M 18K OHM,J,1/16W	
R1166	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1167	ERJ6ENF2702	M 27KOHM, 1/10W	
R1168	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	
R1169	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1170	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1171	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	
R1172	ERJ3GEYJ272	M 2.7KOHMJ,J1/16W	
R1172	ERJ3GEYJ182		
		M 1.8KOHM,J,1/16W	
R1174	EXB38V560J	RESISTOR ARRAY	
R1175	EXB38V560J	RESISTOR ARRAY	
R1178	EXB38V560J	RESISTOR ARRAY	
R1179	EXB38V560J	RESISTOR ARRAY	
R1180	EXB38V220J	RESISTOR ARRAY	
R1181	EXB38V220J	RESISTOR ARRAY	
R1182	EXB38V220J	RESISTOR ARRAY	
R1183	EXB38V220J	RESISTOR ARRAY	
R1185	EXB38V220J	RESISTOR ARRAY	
R1186	ERJ6ENF1001	M 1KOHM, 1/10W	
R1188	ERJ6ENF1001	M 1KOHM, 1/10W	
R1190	ERJ6ENF75R0	M 75 OHM, 1/10W	
R1191	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1193	EXB38V560J	RESISTOR ARRAY	
R1194	EXB38V560J	RESISTOR ARRAY	
R1196	EXB38V560J	RESISTOR ARRAY	
R1197	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1198	EXB38V560J	RESISTOR ARRAY	
R1199	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1200	EXB38V560J	RESISTOR ARRAY	
R1201	ERJ3GEYJ122	M 1.2KOHM,J,1/16W	
R1203	EXB38V560J	RESISTOR ARRAY	
R1204	ERJ3GEYJ180	M 18 OHM,J,1/16W	
R1205	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R1206	EXB38V560J	RESISTOR ARRAY	
R1207	ERJ3GEYJ180	M 18 OHM,J,1/16W	
R1208	ERJ3GEYJ180	M 18 OHM,J,1/16W	
R1209	EXB38V560J	RESISTOR ARRAY	
R1210	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1211	ERJ3GEYJ681	M 680 OHM,J,1/16W	
R1212	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1213	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R1214	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R1215	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1217	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1219	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1220	ERJ3GEY0R00	M 0 OHM, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1221	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1224	ERJ3GEYJ391	M 390 OHM,J,1/16W	D0GB391JA002
R1225	ERJ3GEYJ391	M 390 OHM,J,1/16W	D0GB391JA002
R1235	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1236	ERJ3GEYJ822	M 8.2KOHM,J,1/16W	
R1238	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R1239	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1240	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1241	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1242	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1247	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1248	ERJ3GEYJ272	M 2.7KOHMJ,J1/16W	
R1249	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1250	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1251	ERJ6ENF1001	M 1KOHM, 1/10W	
R1254	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1254	ERJ3GEYJ472		
		M 4.7KOHM, J,1/16W	
R1257	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1259	ERJ3GEYJ221 EXB38V220J	M 220 OHM,J,1/16W RESISTOR ARRAY	
R1260			
R1261	ERJ6ENF1001	M 1KOHM, 1/10W	
R1262	ERJ3GEYJ272	M 2.7KOHMJ,J1/16W	
R1264	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1265	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1266	ERJ6ENF1001	M 1KOHM, 1/10W	
R1269	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1270	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1272	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1273	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1274	EXB38V103J	RESISTOR ARRAY	
R1277	ERJ6ENF1001	M 1KOHM, 1/10W	
R1278	EXB38VR000	RESISTOR ARRAY	
R1279	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1280	ERJ6ENF75R0	M 75 OHM, 1/10W	
R1282	EXB38V220J	RESISTOR ARRAY	
R1284	EXB38V103J	RESISTOR ARRAY	
R1285	EXB38V220J	RESISTOR ARRAY	
R1286	EXB38V220J	RESISTOR ARRAY	
R1288	EXB38V103J	RESISTOR ARRAY	
R1289	EXB38V220J	RESISTOR ARRAY	
R1290	EXB38V220J	RESISTOR ARRAY	
R1291	EXB38V103J	RESISTOR ARRAY	
R1293	EXB38V103J	RESISTOR ARRAY	
R1296	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1297	EXB38V220J	RESISTOR ARRAY	
R1298	EXB38V220J	RESISTOR ARRAY	
R1299	EXB38V220J	RESISTOR ARRAY	
R1300	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1302	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1303	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1304	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1305	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R1306	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1307	ERJ3GEY0R00	M 0 OHM, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1308	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1310	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1311	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1312	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1315	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R1316	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1317	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1318	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	
R1319	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1320	ERJ3GEYJ221	M 220 OHM,J,1/16W	
R1321	ERJ3GEYJ221	M 220 OHM,J,1/16W	
R1322	ERJ3GEYJ221	M 220 OHM,J,1/16W	
R1323	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1324	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1325	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1326	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1327	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1328	ERJ6GEYJ560	M 56 OHM,J,1/10W	
R1329	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1329	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1332	ERJ6GEYJ560		
R1333	ERJ3GEYJ562	M 56 OHM, J, 1/10W	
R1334	ERJ3GEYJ220	M 5.6KOHM,J,1/16W	
		M 22 OHM,J,1/16W	
R1335	ERJ6GEYJ560	M 56 OHM, J, 1/10W	
R1336	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R1352	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R1353	ERJ6ENF2202	M 2.2KOHM, 1/10W	
R1354	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1355	ERJ6ENF2202	M 2.2KOHM, 1/10W	
R1356	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R1357	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1358	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1359	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1360	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1361	EXB38V102J	RESISTOR ARRAY	
R1362	EXB38V220J	RESISTOR ARRAY	
R1363	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1372	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R1373	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R1374	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1375	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1381	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R1384	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1387	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1388	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1389	ERJ3GEYJ223	M 22K OHM,J,1/16W	
R1390	ERJ3GEYJ223	M 22K OHM,J,1/16W	
R1391	ERJ3GEYJ183	M 18K OHM,J,1/16W	
R1392	ERJ3GEYJ154	M 150KOHM,J,1/16W	
R1393	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R1394	ERJ3GEYJ223	M 22K OHM,J,1/16W	
R1395	ERJ3GEYJ223	M 22K OHM,J,1/16W	
R1396	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1399	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1402	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1406	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1407	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1408	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1409	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1410	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1411	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1412	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1413	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1414	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1415	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1416	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1417	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1418	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1419	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1420	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1420	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1421	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1422	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1423	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1458	ERJ3GEYJ220		
R1459	ERJ3GEYJ220	M 22 OHM, J,1/16W	
R1459	ERJ3GEYJ220	M 22 OHM, J,1/16W	
		M 22 OHM, J,1/16W	
R1461	ERJ3GEYJ220	M 22 OHM, J,1/16W	
R1462	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1463	ERJ3GEYJ220	M 22 OHM, J,1/16W	
R1464	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1465	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1466	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1467	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R1468	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1469	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1470	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1471	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1472	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1473	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1474	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1475	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1476	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1477	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1478	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1479	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1480	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1481	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1482	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1483	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1484	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1485	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1486	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1487	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1488	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1489	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1490	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1492	ERJ3GEYJ220	M 22 OHM,J,1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1493	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1494	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1495	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1496	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1497	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1498	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1500	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R1501	ERJ3GEYJ681	M 680 OHM,J,1/16W	
R1502	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1504	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	
R1505	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	
R1510	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1511	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1515	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1516	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1519	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1531	ERJ3GEYJ220	M 22 OHM, J,1/16W	
R1552	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1554	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R1555	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1558	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R1560	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R1561	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1571	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1572	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1573	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1574	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1601	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1602	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1611	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	
R1612	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1613	ERJ3GEYJ105	M 1M OHM,J,1/16W	
R1617	ERJ3GEYJ330	M 33 OHM,J,1/16W	
R1619	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1623	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1624	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1626	ERJ3GEYJ202	M 2K OHM,J,1/16W	
R1627	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1700	EXB38V220J	RESISTOR ARRAY	
R1701	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1702	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	
R1704	EXB38V220J	RESISTOR ARRAY	
R1705	EXB38V220J	RESISTOR ARRAY	
R1706	EXB38V220J	RESISTOR ARRAY	
R1707	EXB38V220J	RESISTOR ARRAY	
R1708	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1709	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1710	EXB38V220J	RESISTOR ARRAY	
R1711	EXB38V220J	RESISTOR ARRAY	
R1712	EXB38V220J	RESISTOR ARRAY	
R1713	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1714	ERJ3GEYJ331	M 330 OHM,J,1/16W	
	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1715			

Ref. No.	Part No.	Part Name & Description	Remarks
R1717	EXB38V220J	RESISTOR ARRAY	
R1718	ERJ3GEYJ681	M 680 OHM,J,1/16W	
R1719	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R1720	EXB38V220J	RESISTOR ARRAY	
R1721	EXB38V220J	RESISTOR ARRAY	
R1722	EXB38V220J	RESISTOR ARRAY	
R1723	EXB38V220J	RESISTOR ARRAY	
R1724	EXB38V220J	RESISTOR ARRAY	
R1725	EXB38V220J	RESISTOR ARRAY	
R1726	EXB38V220J	RESISTOR ARRAY	
R1727	EXB38V220J	RESISTOR ARRAY	
R1728	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1729	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1730	EXB38V220J	RESISTOR ARRAY	
R1731	EXB38V220J	RESISTOR ARRAY	
R1732	EXB38V220J	RESISTOR ARRAY	
R1732	EXB38V220J	RESISTOR ARRAY	
R1733	ERJ3GEYJ560	M 56 OHM,J,1/16W	+
		, ,	
R1735 R1736	ERJ3GEYJ560 ERJ6ENF1001	M 56 OHM,J,1/16W	
	ERJ6ENF1001	M 1KOHM, 1/10W	
R1737		M 1KOHM, 1/10W	
R1738	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1739	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1743	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R1744	EXB38V102J	RESISTOR ARRAY	
R1745	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1747	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1749	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1807	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R1808	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1809	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1817	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1821	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1822	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1823	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1830	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R1831	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R1833	EXB38V220J	RESISTOR ARRAY	
R1834	EXB38V220J	RESISTOR ARRAY	
R1835	EXB38V220J	RESISTOR ARRAY	
R1836	EXB38V220J	RESISTOR ARRAY	
R1837	EXB38V220J	RESISTOR ARRAY	
R1838	EXB38V220J	RESISTOR ARRAY	
R1840	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1841	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1843	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1844	EXB38V220J	RESISTOR ARRAY	
R1845	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R1846	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R1847	EXB38V220J	RESISTOR ARRAY	
R1848	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R1850	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R1851	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R1853	ERJ3GEYJ102	M 1K OHM,J,1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1854	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1867	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1868	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1903	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1904	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R1905	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R1906	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1907	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R1909	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1910	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1912	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1913	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1917	ERJ3GEYJ391	M 390 OHM,J,1/16W	D0GB391JA002
R1922	EXB38V560J	RESISTOR ARRAY	DOGDOSTOAGOZ
R1924	EXB38V560J	RESISTOR ARRAY	
R1926	EXB38V560J	RESISTOR ARRAY	
R1928	EXB38V560J	RESISTOR ARRAY	
R1930	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1931	EXB38V560J	RESISTOR ARRAY	
R1932	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1933	EXB38V560J	RESISTOR ARRAY	
R1934	EXB38V560J	RESISTOR ARRAY	
R1936	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1942	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1943	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1945	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R1946	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R1949	ERJ3GEY0R00	M 0 OHM, 1/16W	
R1950	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	
R2002	ERJ6ENF5601	M 5.6KOHM, 1/10W	
R2003	ERJ6ENF1501	M 1.5KOHM, 1/10W	
R2004	ERJ6ENF1501	M 1.5KOHM, 1/10W	
R2005	ERJ6ENF2701	M 2.7KOHM, 1/10W	
R2006	ERJ6ENF6801	M 6.8KOHM, 1/10W	
R2007	ERJ6ENF3302	M 33KOHM, 1/10W	
R2008	ERJ6ENF5601	M 5.6KOHM, 1/10W	
R2009	ERJ6ENF1001	M 1KOHM, 1/10W	
R2010	ERJ6ENF1801	M 1.8KOHM, 1/10W	
R2011	ERJ6ENF2701	M 2.7KOHM, 1/10W	
R2012	ERJ6ENF6801	M 6.8KOHM, 1/10W	
R2013	ERJ6ENF3302	M 33KOHM, 1/10W	
R2014	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R2015	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R2016	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R2017	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R2019	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R2020	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R2022	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R2023	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R2026	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2028	ERJ3GEYJ100	M 10 OHM,J,1/16W	
		M 10 OHM,J,1/16W	
R2029	EKJ36=1,1100		
R2029 R3003	ERJ3GEYJ100 ERJ3GEYJ330	M 33 OHM,J,1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3401	ERJ6GEYJ750	M 75 OHM,J,1/10W	PT-AE300E
R3402	ERJ6GEYJ750	M 75 OHM,J,1/10W	PT-AE300E
R3403	ERJ6ENF75R0	M 75 OHM, 1/10W	PT-AE300E
R3404	ERJ3GEYJ472	M 4.7KOHM, J,1/16W	PT-AE300E
		, ,	PT-AE300E
R3405	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3407	ERJ3GEYJ223	M 22K OHM,J,1/16W	PT-AE300E
R3408	ERJ3GEYJ223	M 22K OHM,J,1/16W	PT-AE300E
R3409	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	PT-AE300E
R3410	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	PT-AE300E
R3411	ERJ3GEYJ183	M 18K OHM,J,1/16W	PT-AE300E
R3412	ERJ3GEYJ560	M 56 OHM,J,1/16W	PT-AE300E
R3413	ERJ3GEYJ471	M 470 OHM,J,1/16W	PT-AE300E
R3414	ERJ3GEYJ101	M 100 OHM,J,1/16W	PT-AE300E
R3415	ERJ3GEYJ471	M 470 OHM,J,1/16W	PT-AE300E
R3417	ERJ3GEYJ471	M 470 OHM,J,1/16W	PT-AE300E
R3418	ERJ6ENF75R0	M 75 OHM, 1/10W	PT-AE300E
R3419	ERJ6ENF75R0	M 75 OHM, 1/10W	PT-AE300E
R3420	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	PT-AE300E
R3421	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	PT-AE300E
R3422	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	PT-AE300E
R3423	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	PT-AE300E
R3424	ERJ3GEYJ560	M 56 OHM,J,1/16W	PT-AE300E
R3425	ERJ3GEYJ560	M 56 OHM,J,1/16W	PT-AE300E
R3426	ERJ3GEYJ471	M 470 OHM,J,1/16W	PT-AE300E
R3427	ERJ3GEYJ560	M 56 OHM,J,1/16W	PT-AE300E
R5002	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
R5003	ERJ3GEYJ101	M 100 OHM,J,1/16W	D0GB101JA002
	ERJ3GEYJ473	M 47K OHM,J,1/16W	
	ERJ3GEYJ473	M 47K OHM,J,1/16W	
	ERJ3GEY0R00	M 0 OHM, 1/16W	
	ERJ3GEY0R00	M 0 OHM, 1/16W	
	ERJ3GEY0R00	M 0 OHM, 1/16W	
	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5011	EXB38V103J	RESISTOR ARRAY	
R5013	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5013	EXB38VR000	RESISTOR ARRAY	
R5015	EXB38VR000	RESISTOR ARRAY	
R5016	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R5018	EXB38VR000	RESISTOR ARRAY	
R5019	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5020	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5021	EXB38VR000	RESISTOR ARRAY	
—	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5023	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5024	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5025	EXB38VR000	RESISTOR ARRAY	
R5026	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5027	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5028	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R5029	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R5030	ERJ3GEY0R00	M 0 OHM, 1/16W	
1			1
R5031	EXB38VR000	RESISTOR ARRAY	
R5031 R5032	EXB38VR000 EXB38VR000	RESISTOR ARRAY RESISTOR ARRAY	

Ref. No.	Part No.	Part Name & Description	Remarks
R5034	ERJ3GEYJ563	M 56KOHM,J,1/16W	Remarks
R5035	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5036	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R5037	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R5039	ERJ3GEYJ153	M 15K OHM,J,1/16W	
R5040	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5040	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R5043	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R5044	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R5045	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R5046	ERJ3GEYJ105	M 1M OHM,J,1/16W	
		l	
R5047	ERJ3GEYJ105	M 1M OHM,J,1/16W	
R5048	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5050	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5051	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5052	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R5053	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5054	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5055	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R5056	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5057	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5058	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5059	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5060	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5061	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R5062	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R5063	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5064	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R5065	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5066	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5068	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5069	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5070	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5071	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5072	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R5074	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5075	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5076	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5077	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5078	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5079	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5080	EXB38V220J	RESISTOR ARRAY	
R5081	EXB38V220J	RESISTOR ARRAY	
R5082	EXB38V220J	RESISTOR ARRAY	
R5083	EXB38V220J	RESISTOR ARRAY	
R5084	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R5085	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R5087	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5088	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R5089	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R5090	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R5091	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R5092	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R5093	ERJ3GEYJ103	M 10K OHM,J,1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R5094	ERJ3GEYJ103	M 10K OHM,J,1/16W	Remarks
R5095	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R5096	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R5097	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R5098	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R5099	ERJ3GEYJ220	M 22 OHM, J,1/16W	
R5100	ERJ3GEYJ220	M 22 OHM, J,1/16W	
R5101	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5102	ERJ3GEYJ270	M 27 OHM, J, 1/16W	
R5103	ERJ3GEYJ270	M 27 OHM,J,1/16W	
R5104	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	
R5105	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R5106	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R5107	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R5108	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R5109	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R5110	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R5111	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R5114	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R5115	ERJ3GEYJ105	M 1M OHM,J,1/16W	
R5116	ERJ3GEYJ105	M 1M OHM,J,1/16W	
R5117	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5118	ERJ3GEY0R00	M 0 OHM, 1/16W	
R5119	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R5120	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R9101	ERC12GK105	S 1MOHM, K,1/2W	<u> </u>
R9102	ERC12GK825	S 8.2MOHM, K,1/2W	$ \Delta $
R9102 R9762	ERC12GK825 ERJ3GEYJ100	S 8.2MOHM, K,1/2W M 10 OHM,J,1/16W	Δ
			<u> </u>
			Δ.
		M 10 OHM,J,1/16W	<u>A</u>
		M 10 OHM,J,1/16W	<u>A</u>
R9762	ERJ3GEYJ100	M 10 OHM,J,1/16W [CAPACITORS]	<u>A</u>
R9762	ERJ3GEYJ100 ECJ1XB1C103K	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V	<u>A</u>
R9762 C1001 C1002	ECJ1XB1C103K EEVHB0J330	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V	
C1001 C1002 C1003 C1004	ECJ1XB1C103K EEVHB0J330 ECJ2XF1C105Z ECJ1XB1C103K	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V C 1UF, Z, 16V	
C1001 C1002 C1003	ECJ1XB1C103K EEVHB0J330 ECJ2XF1C105Z	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V C 1UF, Z, 16V C 0.01UF, K, 16V	
C1001 C1002 C1003 C1004 C1005 C1006	ERJ3GEYJ100 ECJ1XB1C103K EEVHB0J330 ECJ2XF1C105Z ECJ1XB1C103K EEVHB0J330	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V C 1UF, Z, 16V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V	
C1001 C1002 C1003 C1004 C1005 C1006 C1007	ERJ3GEYJ100 ECJ1XB1C103K EEVHB0J330 ECJ2XF1C105Z ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V C 1UF, Z, 16V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V E 33UF, 6.3V	
C1001 C1002 C1003 C1004 C1005 C1006	ERJ3GEYJ100 ECJ1XB1C103K EEVHB0J330 ECJ2XF1C105Z ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V C 1UF, Z, 16V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V	
C1001 C1002 C1003 C1004 C1005 C1006 C1007 C1008	ERJ3GEYJ100 ECJ1XB1C103K EEVHB0J330 ECJ2XF1C105Z ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V C 1UF, Z, 16V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V C 0.01UF, K, 16V	
C1001 C1002 C1003 C1004 C1005 C1006 C1007 C1008 C1009 C1010	ECJ1XB1C103K EEVHB0J330 ECJ2XF1C105Z ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K ECJ1XB1C103K	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V C 1UF, Z, 16V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V C 0.01UF, K, 16V C 1000PF, J, 50V	
C1001 C1002 C1003 C1004 C1005 C1006 C1007 C1008 C1009 C1010	ERJ3GEYJ100 ECJ1XB1C103K EEVHB0J330 ECJ2XF1C105Z ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K ECJ1XB1C103K ECJ1XB1C103K	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V C 1UF, Z, 16V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V C 33UF, 6.3V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V C 33UF, 6.3V C 0.01UF, K, 16V C 1000PF, J, 50V E 33UF, 6.3V	
C1001 C1002 C1003 C1004 C1005 C1006 C1007 C1008 C1009 C1010 C1011	ERJ3GEYJ100 ECJ1XB1C103K EEVHB0J330 ECJ2XF1C105Z ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K ECJ1XB1C103K ECJ1XB1C103K ECJ1XB1C103K ECJ1XB1C103K ECJ1XB1C103K ECJ1XF1C104Z	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V C 1UF, Z, 16V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V C 33UF, 6.3V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V C 33UF, 6.3V C 0.01UF, K, 16V C 0.01UF, K, 16V C 1000PF, J, 50V E 33UF, 6.3V C 0.1UF, Z, 16V	
C1001 C1002 C1003 C1004 C1005 C1006 C1007 C1008 C1009 C1010 C1011 C1012 C1013	ERJ3GEYJ100 ECJ1XB1C103K EEVHB0J330 ECJ2XF1C105Z ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K ECJ1XB1C103K ECJ1XB1C103K ECJ1XB1C103K ECJ1XF1C104Z ECJ1XF1C104Z	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V C 1UF, Z, 16V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V C 33UF, 6.3V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V C 0.01UF, K, 16V C 0.01UF, K, 16V C 1000PF, J, 50V E 33UF, 6.3V C 0.1UF, Z, 16V C 0.1UF, Z, 16V	
C1001 C1002 C1003 C1004 C1005 C1006 C1007 C1008 C1009 C1010 C1011 C1012 C1013 C1014	ERJ3GEYJ100 ECJ1XB1C103K EEVHB0J330 ECJ2XF1C105Z ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K ECJ1XB1C103K ECJ1XB1C103K ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V C 1UF, Z, 16V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V C 33UF, 6.3V C 0.01UF, K, 16V C 1000PF, J, 50V E 33UF, 6.3V C 0.1UF, Z, 16V C 0.1UF, Z, 16V C 100UF, J, 50V	
C1001 C1002 C1003 C1004 C1005 C1006 C1007 C1008 C1009 C1010 C1011 C1012 C1013 C1014 C1015	ERJ3GEYJ100 ECJ1XB1C103K EEVHB0J330 ECJ2XF1C105Z ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K ECJ1XF1C103K ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V C 1UF, Z, 16V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V C 33UF, 6.3V C 0.01UF, K, 16V C 0.01UF, K, 16V C 1000PF, J, 50V E 33UF, 6.3V C 0.1UF, Z, 16V C 0.1UF, Z, 16V C 100UF, 10V C 0.1UF, Z, 16V	
C1001 C1002 C1003 C1004 C1005 C1006 C1007 C1008 C1009 C1010 C1011 C1012 C1013 C1014 C1015 C1016	ERJ3GEYJ100 ECJ1XB1C103K EEVHB0J330 ECJ2XF1C105Z ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K ECJ1XB1C103K ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V C 1UF, Z, 16V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V C 1000PF, J, 50V E 33UF, 6.3V C 0.1UF, Z, 16V C 0.1UF, Z, 16V C 100UF, 10V C 0.1UF, Z, 16V C 0.01UF, K, 16V	
C1001 C1002 C1003 C1004 C1005 C1006 C1007 C1008 C1009 C1010 C1011 C1012 C1013 C1014 C1015 C1016 C1017	ERJ3GEYJ100 ECJ1XB1C103K EEVHB0J330 ECJ2XF1C105Z ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K ECJ1XB1C103K ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V C 1UF, Z, 16V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V C 1000PF, J, 50V E 33UF, 6.3V C 0.1UF, Z, 16V C 0.1UF, Z, 16V C 0.1UF, Z, 16V C 100UF, 10V C 0.1UF, Z, 16V C 0.01UF, K, 16V	
C1001 C1002 C1003 C1004 C1005 C1006 C1007 C1008 C1009 C1010 C1011 C1012 C1013 C1014 C1015 C1016 C1017 C1020	ERJ3GEYJ100 ECJ1XB1C103K EEVHB0J330 ECJ2XF1C105Z ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K ECJ1XB1C103K ECJ1XB1C103K ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V C 1UF, Z, 16V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V C 33UF, 6.3V C 0.01UF, K, 16V C 0.01UF, K, 16V C 1000PF, J, 50V E 33UF, 6.3V C 0.1UF, Z, 16V C 0.1UF, Z, 16V C 0.1UF, Z, 16V C 100UF, 10V C 0.1UF, Z, 16V C 0.01UF, K, 16V C 0.01UF, K, 16V C 0.1UF, Z, 16V C 0.1UF, Z, 16V C 0.1UF, Z, 16V E 33UF, 6.3V	
C1001 C1002 C1003 C1004 C1005 C1006 C1007 C1008 C1009 C1010 C1011 C1012 C1013 C1014 C1015 C1016 C1017 C1020 C1023	ERJ3GEYJ100 ECJ1XB1C103K EEVHB0J330 ECJ2XF1C105Z ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K ECJ1XB1C103K ECJ1XB1C103K ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V C 1UF, Z, 16V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V C 0.01UF, K, 16V C 0.01UF, K, 16V C 0.01UF, Z, 16V C 1000PF, J, 50V E 33UF, 6.3V C 0.1UF, Z, 16V C 0.1UF, Z, 16V C 0.1UF, Z, 16V C 100UF, I, 16V C 0.1UF, Z, 16V	
C1001 C1002 C1003 C1004 C1005 C1006 C1007 C1008 C1009 C1010 C1011 C1012 C1013 C1014 C1015 C1016 C1017 C1020 C1023 C1025	ERJ3GEYJ100 ECJ1XB1C103K EEVHB0J330 ECJ2XF1C105Z ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K ECJ1XB1C103K ECJ1XB1C103K ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V C 1UF, Z, 16V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V C 33UF, 6.3V C 0.01UF, K, 16V C 1000PF, J, 50V E 33UF, 6.3V C 0.1UF, Z, 16V C 0.1UF, Z, 16V C 0.1UF, Z, 16V C 100UF, K, 16V C 0.1UF, Z, 16V	
C1001 C1002 C1003 C1004 C1005 C1006 C1007 C1008 C1009 C1010 C1011 C1012 C1013 C1014 C1015 C1016 C1017 C1020 C1023	ERJ3GEYJ100 ECJ1XB1C103K EEVHB0J330 ECJ2XF1C105Z ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K EEVHB0J330 ECJ1XB1C103K ECJ1XB1C103K ECJ1XB1C103K ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z	M 10 OHM,J,1/16W [CAPACITORS] C 0.01UF, K, 16V E 33UF, 6.3V C 1UF, Z, 16V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V E 33UF, 6.3V C 0.01UF, K, 16V C 0.01UF, K, 16V C 0.01UF, K, 16V C 0.01UF, Z, 16V C 1000PF, J, 50V E 33UF, 6.3V C 0.1UF, Z, 16V C 0.1UF, Z, 16V C 0.1UF, Z, 16V C 100UF, I, 16V C 0.1UF, Z, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C1028	EEVHB1C101	E 100UF, 16V	
C1029	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1030	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1031	ECJ2XF1C474Z	C 0.47UF, Z, 16V	
C1032	ECJ2XF1C225Z	C 2.2UF, Z, 16V	
C1033	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1034	ECJ1XB1C103K	C 0.01UF, K, 16V	
C1035	ECJ1XC1H100C	C 10PF, 50V	
C1036	ECJ1XB1C103K	C 0.01UF, K, 16V	
C1037	ECUV1C223KBV	C 0.22UF, K, 16V	ECJ1VB1C223K
C1038	ECJ1XB1C103K	C 0.01UF, K, 16V	
C1043	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1046	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1047	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1048	ECUX1H120JCV	C 12PF, 50V	
C1049	ECUX1H120JCV	C 12PF, 50V	
C1049	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1051	ECJ1XC1H220J	C 22PF, J, 50V	
C1052	ECJ1XC1H220J	C 22PF, J, 50V	
C1053	ECJ1XF1A105Z	C 100UF, 10V	
C1054	EEVHB1A101	E 100UF, 10V	
C1055	ECJ1XF1A105Z	C 100UF, 10V	
C1056	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1057	EEVHB1C470	E 47UF, 16V	
C1057	ECJ1XF1C104Z		
C1059	ECUX1H120JCV	C 0.1UF, Z, 16V C 12PF, 50V	
C1059	ECUX1H1203CV		
		C 27PF, 50V	
C1061	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1064	ECJ1XF1A105Z	C 100UF, 10V	
C1065	ECJ1XF1A105Z	C 100UF, 10V	
C1067	EEFUD0J101R	E 100UF, 6.3V	
C1068	ECJ3XF1C475Z	C 4.7UF, Z, 16V	
C1069	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1070	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1071	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1072	ECJ1XF1A105Z	C 100UF, 10V	
C1073	ECJ2XF1C225Z	C 2.2UF, Z, 16V	
C1074	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1075	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1076	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1077	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1078	EEVHB1C470	E 47UF, 16V	
C1079	ECJ2XF1C225Z	C 2.2UF, Z, 16V	
C1080	EEVHP1C100	E 10UF, 16V	
C1081	EEVHP1C100	E 10UF, 16V	
C1082	EEFUD0J101R	CAPACITOR	
C1083	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1084	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1085	EEVHB0J101	E 100UF, 6.3V	EEVHB0J101P
C1086	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1087	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1088	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1089	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1090	ECJ1XF1C104Z	C 0.1UF, Z, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C1091	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1092	EEVHB0J101	E 100UF, 6.3V	EEVHB0J101P
C1093	EEVHB1C100	E 10UF, 16V	
C1094	EEVHB0J101	E 100UF, 6.3V	EEVHB0J101P
C1095	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1096	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1097	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1098	ECUX1H473ZFV	C 0.047UF, 50V	ECJ1XF1H473Z
C1099	ECUX1H473ZFV	C 0.047UF, 50V	ECJ1XF1H473Z
C1100	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1101	ECJ1XB1H102K	C 1000PF, K, 50V	
C1102	ECUX1H473ZFV	C 0.047UF, 50V	ECJ1XF1H473Z
C1102	ECJ1XB1H102K	C 1000PF, K, 50V	LCGTAT TIT4732
	ECUX1H473ZFV		ECJ1XF1H473Z
C1104		C 0.047UF, 50V	
C1105	ECUX1H473ZFV	C 0.047UF, 50V	ECJ1XF1H473Z
C1106	ECUX1H473ZFV	C 0.047UF, 50V	ECJ1XF1H473Z
C1107	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1108	ECJ1XC1H151J	C 150PF, 50V	
C1109	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1112	ECJ2XF1C105Z	C 1UF, Z, 16V	
C1113	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1114	ECJ1XB1C103K	C 0.01UF, K, 16V	
C1115	ECJ2XB1H472K	C 2700PF, K, 50V	
C1116	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1118	ECJ3XF1C475Z	C 4.7UF, Z, 16V	
C1119	ECJ3XF1C475Z	C 4.7UF, Z, 16V	
C1120	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1121	ECJ3XF1C475Z	C 4.7UF, Z, 16V	
C1122	ECUX1H392KBV	C 3900PF, K, 50V	
C1123	ECJ1XB1C393K	C 0.39UF, K, 16V	
C1124	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1126	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1127	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1128	ECJ2XC1H391J	C 390PF, J, 50V	
C1129	ECJ1XF1A105Z	C 100UF, 10V	
C1130	EEVHB1C100	E 10UF, 16V	
C1131	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1132	ECJ1XC1H181J	C 180PF, J, 50V	
C1133	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1134	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1135	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1136	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1137	ECJ1XB1C103K	C 0.01UF, K, 16V	
C1138	ECJ3XF1C475Z	C 4.7UF, Z, 16V	
C1139	EEVHB0J330	E 33UF, 6.3V	
C1140	EEVHB0J470	E 47UF, 6.3V	
C1141	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1141	EEVHB0J470	E 47UF, 6.3V	
C1143	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1144	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1145	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1146	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1147	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1148	ECJ1XF1C104Z	C 0.1UF, Z, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C1149	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1150	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1151	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1152	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1153	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1154	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1155	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1156	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1157	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1158	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1159	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1160	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1161	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1162	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1163	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1164	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1165	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1166	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1167	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1168	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1169	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1170	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1172	ECJ1XF1A105Z	C 100UF, 10V	
C1173	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1174	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1175	ECJ2XF1C474Z	C 0.47UF, Z, 16V	
C1176	ECJ2XF1C474Z	C 0.47UF, Z, 16V	
C1177	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1178	ECUX1H473ZFV	C 0.047UF, 50V	ECJ1XF1H473Z
C1179	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1180	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1181	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1182	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1183	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1184	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1185	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1186	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1187	ECJ2XC1H471J	C 470PF, J, 50V	
C1189	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1190	ECJ1XC1H220J	C 22PF, J, 50V	
C1191	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1192	ECJ1XC1H220J	C 22PF, J, 50V	
C1193	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1194	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1195	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1201	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1202	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1202		C 0 4UF 7 46V	1
C1203	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1203	ECJ1XF1C104Z ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1204	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1204 C1205	ECJ1XF1C104Z ECJ1XF1C104Z	C 0.1UF, Z, 16V C 0.1UF, Z, 16V	
C1204 C1205 C1206	ECJ1XF1C104Z ECJ1XF1C104Z ECJ1XF1C104Z	C 0.1UF, Z, 16V C 0.1UF, Z, 16V C 0.1UF, Z, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C1210	ECJ1XF1C104Z	C 0.1UF, Z, 16V	Remarks
C1212	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1213	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1214	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1215	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1215	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1216	ECJ1XF1C104Z		
C1217	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1219	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1219	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1220	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
		C 0.1UF, Z, 16V	
C1222	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1223	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1224	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1225	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1226	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1227	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1228	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1229	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1230	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1231	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1232	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1233	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1234	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1235	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1236	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1237	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1238	EEVHB1E4R7	E 4.7UF, 25V	
C1239	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1240	EEVHB1A221	E 220UF, 10V	
C1241	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1242	EEVHB0J101	E 100UF, 6.3V	EEVHB0J101P
C1243	EEVHB0J470	E 47UF, 6.3V	
C1244	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1245	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1246	EEVHB1E4R7	E 4.7UF, 25V	
C1247	EEVHB0J101	E 100UF, 6.3V	EEVHB0J101P
C1248	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1249	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1250	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1251	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1252	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1253	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1254	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1255	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1256	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1257	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1258	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1259	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1260	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1261	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1262	ECJ2XF1C105Z	C 1UF, Z, 16V	
C1263	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1264	ECJ1XF1E104Z	C 0.1UF, Z, 25V	

Ref. No.	Part No.	Part Name & Description	Remarks
C1265	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1266	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1267	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1268	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1269	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1270	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1271	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1272	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1273	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1274	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1275	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1276	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1277	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1278	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1279	EEVHB1E4R7	E 4.7UF, 25V	
C1280	EEVHB1E4R7	E 4.7UF, 25V	
C1281	EEVHB1E4R7	E 4.7UF, 25V	
C1282	ECJ1XF1A105Z	C 100UF, 10V	
C1283	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1284	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1285	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1286	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1287	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1288	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1289	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1290	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1291	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1292	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1293	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1294	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1295	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1296	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1297	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1298	EEVHB1E330	E 33UF, 25V	
C1299	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1300	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1301	EEVHB1E330	E 33UF, 25V	
C1302	EEVHB1E330	E 33UF, 25V	
C1303	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1304	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1305	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1306	ECJ2XF1C105Z	C 1UF, Z, 16V	
C1307	ECJ2XF1C105Z	C 1UF, Z, 16V	
C1308	ECJ2XF1C105Z	C 1UF, Z, 16V	
C1309	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1310	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1311	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1312	EEVHB0J330	E 33UF, 6.3V	
C1313	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1314	ECJ1XB1C103K	C 0.01UF, K, 16V	
C1315	ECUX1H152KBV	C 1500PF, K, 50V	ECJ1XB1H152K
C1317	ECJ1XF1C104Z	C 0.1UF, Z, 16V	-
C1318	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
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Ref. No.	Part No.	Part Name & Description	Remarks
C1320	ECJ3XB0J106M	C 10UF, 6.3V	11000000
C1321	ECJ1XF1A105Z	C 100UF, 10V	
C1322	ECJ1XF1A105Z	C 100UF, 10V	
C1323	ECJ1XF1A105Z	C 100UF, 10V	
C1324	ECJ1XF1A105Z	C 100UF, 10V	
C1325	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1326	ECJ1XF1A105Z	C 100UF, 10V	
C1327	ECJ1XF1A105Z	C 100UF, 10V	
C1328	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1329	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1330	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1331	EEVHB0J470	E 47UF, 6.3V	
C1332	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1333	EEFUD0J101R	CAPACITOR	
C1334	EEVHB0J470	E 47UF, 6.3V	
C1335	EEVHB0J470	E 47UF, 6.3V	
C1336	EEFUD0J101R	CAPACITOR	
C1354	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1371	ECJ1XF1C104Z	C 0.1UF, Z, 16V	EEV///DO MOAD
C1372	EEVHB0J101	E 100UF, 6.3V	EEVHB0J101P
C1374	EEVHB0J221	E 220UF, 6.3V	
C1375	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1390	ECKF1H103ZF	CAPACITOR	
C1405	EEFUD0J101R	E 100UF, 6.3V	
C1410	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1411	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1412	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1413	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1414	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1415	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1416	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1417	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1418	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1419	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1420	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1421	EEVHB0J101	E 100UF, 6.3V	EEVHB0J101P
C1422	EEFUD0J101R	E 100UF, 6.3V	
C1423	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1424	EEVHB0J470	E 47UF, 6.3V	
C1425	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1426	EEVHB0J470	E 47UF, 6.3V	
C1438	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1439	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1440	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1441	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1442	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1443	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1444	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1445	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1446	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1447	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1448	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C1449	ECJ1XF1E104Z	C 0.1UF, Z, 25V	

Ref. No.	Part No.	Part Name & Description	Remarks
C1501	EEVHB0J101	E 100UF, 6.3V	EEVHB0J101P
C1502	ECJ1XF1A105Z	C 100UF, 10V	
C1503	ECJ1XF1A105Z	C 100UF, 10V	
C1504	ECJ1XF1A105Z	C 100UF, 10V	
C1505	ECJ1XF1A105Z	C 100UF, 10V	
C1506	EEVHB0J101	E 100UF, 6.3V	EEVHB0J101P
C1507	ECJ1XF1A105Z	C 100UF, 10V	227112001011
C1508	ECJ1XF1A105Z	C 100UF, 10V	
C1509	ECJ1XF1A105Z	C 100UF, 10V	
C1510	ECJ1XF1A105Z	C 100UF, 10V	
C1511	ECJ1XF1A105Z	C 100UF, 10V	
C1512	ECJ1XF1A105Z	C 100UF, 10V	
C1513	EEVHB0J101	E 100UF, 6.3V	EEVHB0J101P
C1514	ECJ1XF1A105Z	C 100UF, 10V	LLVIIDOJIVII
	ECJ1XF1A105Z		
C1515		C 100UF, 10V	
C1516	ECJ1XF1A105Z	C 100UF, 10V	
C1517	ECJ1XF1A105Z	C 100UF, 10V	
C1518	ECJ1XF1A105Z	C 100UF, 10V	
C1519	ECJ1XF1A105Z	C 100UF, 10V	
C1520	ECJ1XF1A105Z	C 100UF, 10V	
C1521	ECJ1XF1A105Z	C 100UF, 10V	
C1522	ECJ1XF1A105Z	C 100UF, 10V	
C1523	ECJ1XF1A105Z	C 100UF, 10V	
C1524	ECJ1XF1A105Z	C 100UF, 10V	
C1526	ECUX1H120JCV	C 12PF, 50V	
C1527	ECUX1H120JCV	C 12PF, 50V	
C1528	ECJ1XF1A105Z	C 100UF, 10V	
C1529	ECJ1XF1A105Z	C 100UF, 10V	
C1530	ECJ1XF1A105Z	C 100UF, 10V	
C1531	ECJ1XF1A105Z	C 100UF, 10V	
C1532	ECJ1XF1H103Z	C 0.01UF, Z, 50V	
C1533	ECJ1XF1A105Z	C 100UF, 10V	
C1534	ECJ1XF1A105Z	C 100UF, 10V	
C1535	ECJ1XF1A105Z	C 100UF, 10V	
C1536	ECJ1XF1A105Z	C 100UF, 10V	
C1537	ECJ1XF1A105Z	C 100UF, 10V	
C1538	ECJ1XC1H471J	C 470PF, J, 50V	
C1539	EEVHB0J101	E 100UF, 6.3V	EEVHB0J101P
C1540	ECJ1XF1A105Z	C 100UF, 10V	
C1541	ECJ1XF1A105Z	C 100UF, 10V	
C1542	ECJ1XF1A105Z	C 100UF, 10V	
C1545	ECJ1XF1A105Z	C 100UF, 10V	
C1546	ECJ1XF1A105Z	C 100UF, 10V	
C1547	EEVHB1C100	E 10UF, 16V	
C1548	ECJ1XF1A105Z	C 100UF, 10V	
C1549	ECJ1XB1C103K	C 0.01UF, K, 16V	
C1550	ECJ1XF1A105Z	C 100UF, 10V	
C1551	ECJ1XF1A105Z	C 100UF, 10V	
C1552	ECJ1XF1A105Z	C 100UF, 10V	
C1553	ECJ1XF1A105Z	C 100UF, 10V	
C1554	ECJ1XF1A105Z	C 100UF, 10V	
C1555	ECJ1XF1A105Z	C 100UF, 10V	
C1556	ECJ1XF1A105Z	C 100UF, 10V	
	ECJ1XF1A105Z	C 100UF, 10V	

Ref. No.	Part No.	Part Name & Description	Remarks
C1558	ECJ1XF1A105Z	C 100UF, 10V	1101111111
C1559	ECJ1XF1A105Z	C 100UF, 10V	
C1560	EEVHB0J101	E 100UF, 6.3V	EEVHB0J101P
C1561	ECJ1XF1A105Z	C 100UF, 10V	
C1699	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1700	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1701	ECJ2XF1C225Z	C 2.2UF, Z, 16V	
C1702	ECJ3XF1C475Z	C 4.7UF, Z, 16V	
C1703	ECJ3XF1C475Z	C 4.7UF, Z, 16V	
C1704	EEFUD0J101R	E 100UF, 6.3V	
C1707	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1708	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1709	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1710	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1712	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1713	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1715	ECJ1XF1C1042 ECJ1XC1H221J		
C1715		C 220PF, 50V	
	EEVHB0J470 ECJ1XF1C104Z	E 47UF, 6.3V	
C1801		C 0.1UF, Z, 16V	
C1802	EEVHB0G101	E 100UF, 4V	
C1803	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1804	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1805	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1806	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1807	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1808	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1809	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1810	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1811	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1812	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1813	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1814	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1815	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1816	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1817	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1818	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1819	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1820	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1821	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1822	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1823	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1824	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1825	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1826	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1827	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1828	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1829	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1830	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1831	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1832	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1833	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1834	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1835	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1836	EEVHB0J470	E 47UF, 6.3V	

Ref. No.	Part No.	Part Name & Description	Remarks
C1837	ECJ1XF1C104Z	C 0.1UF, Z, 16V	- Homano
C1838	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1839	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C1901	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1902	EEVHB1C470	E 47UF, 16V	
C1903	EEVHB1C470	E 47UF, 16V	
C1904	EEVHB1C470	E 47UF, 16V	
C1905	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1906	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1907	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1908	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1909	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1909	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1911	ECJ2XF1H104Z		
C1911	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
		C 0.1UF, Z, 50V	
C1913	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1914	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1915	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1916	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1917	EEFUD0J101R	CAPACITOR	
C1918	EEVHB1C470	E 47UF, 16V	
C1919	EEFUD0J101R	CAPACITOR	
C1920	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1922	EEFUD0J101R	CAPACITOR	
C1923	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1925	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1926	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1927	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C2001	EEVHB0J470	E 47UF, 6.3V	
C2002	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C3001	EEFCD0J470R	E 47UF, 6.3V	
C3002	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C3401	ECJ2XC1H471J	C 470PF, J, 50V	PT-AE300E
C3402	EEVHB0J330	E 33UF, 6.3V	PT-AE300E
C3403	ECJ2XC1H471J	C 470PF, J, 50V	PT-AE300E
C3404	ECJ1XF1C104Z	C 0.1UF, Z, 16V	PT-AE300E
C3405	ECJ1XB1C103K	C 0.01UF, K, 16V	PT-AE300E
C3406	ECJ1XB1C103K	C 0.01UF, K, 16V	PT-AE300E
C3407	EEVHB0J330	E 33UF, 6.3V	PT-AE300E
C3408	ECJ1XB1C103K	C 0.01UF, K, 16V	PT-AE300E
C3409	ECJ1XF1C104Z	C 0.1UF, Z, 16V	PT-AE300E
C3410	EEVHB0J330	E 33UF, 6.3V	PT-AE300E
C3411	EEVHB0J330	E 33UF, 6.3V	PT-AE300E
C3412	ECJ1XF1C104Z	C 0.1UF, Z, 16V	PT-AE300E
C5001	EEVHB0J330	E 33UF, 6.3V	
C5002	EEVHB0J330	E 33UF, 6.3V	
C5003	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5004	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5005	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5006	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5007	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5008	EEVHB1C100	E 10UF, 16V	
C5009	ECJ1XB1C103K	C 0.01UF, K, 16V	
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Ref. No.	Part No.	Part Name & Description	Remarks
C5011	ECJ1XF1C104Z	C 0.1UF, Z, 16V	Romano
C5013	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5014	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5015	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5016	EEVHB0J470	E 47UF, 6.3V	
C5017	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5018	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5019	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5020	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5021	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5022	ECJ1XC1H050C	C 5PF, 50V	
C5023	ECJ1XC1H150J	C 150PF, 50V	
C5024	ECJ1XC1H060C	C 6PF, 50V	
C5025	ECJ1XC1H150J	C 150PF, 50V	
C5026	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5027	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
	ECJ1XF1C104Z	· · ·	
C5028	+	C 0.1UF, Z, 16V	
C5029	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5030	ECJ1XF1C104Z EEVHB0J470	C 0.1UF, Z, 16V	
C5031	-	E 47UF, 6.3V	
C5032	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5033	EEVHB0J470	E 47UF, 6.3V	
C5036	EEVHB0J470	E 47UF, 6.3V	
C5037	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5038	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5039	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5040	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5041	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C5042	ECJ1XF1C104Z	C 0.1UF, Z, 16V	0
C9101	ECQU2A474MLA	P 0.47UF, M,250V	
C9102	ECQU2A224MLA	P 0.22UF, M,250V	<u>A</u>
C9103	ECKCNA102MBB	C 1000PF, M,	Δ
C9104	ECKCNA102MBB	C 1000PF, M,	Δ
	I	[OTHERS]	
A1	K1MN36B00014	36P CONNECTOR	
A2	K1MN36B00014	36P CONNECTOR	
A3	K1MN36B00014	36P CONNECTOR	
44	K1KA05B00153	5P CONNECTOR	
A6	K1KA12B00079	12P CONNECTOR	
A8	K1KA13B00041	13P CONNECTOR	
A15	TJS6A8780	3P CONNECTOR	K1KA03B00006
A16	TJS6A8780	3P CONNECTOR	K1KA03B00006
A17	TJS6A8780	3P CONNECTOR	K1KA03B00006
A18	TJS6A8780	3P CONNECTOR	K1KA03B00006
A19	K1KA04B00007	4P CONNECTOR	
A20	K1MN50B00016	50P CONNECTOR	
A21	K1KA14B00073	14P CONNECTOR	
K1	K1KA02A00104	2P CONNECTOR	
R1	TJSF43703	3P CONNECTOR	K1KA03B00098
S1	K1KA13A00066	13P CONNECTOR	
S2	K1KA02A00101	2P CONNECTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
S3	K1KA02A00101	2P CONNECTOR	
S4	K1KA03A00153	3P CONNECTOR	
SD1	K1NA09E00029	SD CARD SLOT	
SD2	K1MN50B00012	50P CONNECTOR	
SD3	TJSF43706	6P CONNECTOR	K1KA06B00096
F9101-1	TJC6320	FUSE HOLDER,SMALL	K3GE1ZB00002
F9101-2	TJC6320	FUSE HOLDER,SMALL	K3GE1ZB00002
F9102-1	TJC6320	FUSE HOLDER,SMALL	K3GE1ZB00002
F9102-2	TJC6320	FUSE HOLDER,SMALL	K3GE1ZB00002
F9101	K5D502BN0003	FUSE	Δ
F9102	K5D502BN0003	FUSE	Δ
J1	K1KA14B00073	14P CONNECTOR	PT-AE300E
JK1001	K1CB205B0001	CONNECTOR	
JK1002	K2HA304B0004	CONNECTOR	
JK1005	TJSF45015	15P D-SUB	K1FB115B0058
JK1009	K2HA202B0025	CONNECTOR	
JK1901	K1FB124B0021	CONNECTOR	
JK3401	K1FB121B0007	D-TERMINAL	PT-AE300E
JK3402	TJC6137	EARTH LUG	PT-AE300E
JK9101	TJC6137	EARTH LUG	
JS1012	ERJ6GEY0R00	M 0 OHM,J,1/10W	
JS1013	ERJ6GEY0R00	M 0 OHM,J,1/10W	
JS1014	ERJ6GEY0R00	M 0 OHM,J,1/10W	
JS1015	ERJ6GEY0R00	M 0 OHM,J,1/10W	
JS1016	ERJ3GEY0R00	M 0 OHM, 1/16W	
JS1017	ERJ3GEY0R00	M 0 OHM, 1/16W	
JS1018	ERJ6GEY0R00	M 0 OHM,J,1/10W	
JS1019	ERJ6GEY0R00	M 0 OHM,J,1/10W	
N9101	K2AH3B000020	AC INLET	Δ
RM3001	B3RAD0000036	REMOTE CONTROL RECEIVER	
S2001	EVQPLHA15	SWITCH	
S2002	EVQPLHA15	SWITCH	
S2003	EVQPLHA15	SWITCH	
S2004	EVQPLHA15	SWITCH	
S2005	EVQPLHA15	SWITCH	
S2006	EVQPLHA15	SWITCH	
S2007	EVQPLHA15	SWITCH	
S2008	EVQPLHA15	SWITCH	
S2009	EVQPLHA15	SWITCH	
X1001	H1A8005B0005	CRYSTAL	
X1002	H0D162500003	CRYSTAL	
X1003	H0J737400005	CRYSTAL	
X1004	H0J202500002	CRYSTAL	
X5002	H0J480500012	CRYSTAL	
X5003	H0J270500045	CRYSTAL	
Z9601	G4F3E0000001	IGNITER	Δ
	TNPA2361AB	POWER BLOCK	
	TNPA2605	CIRCUIT BOARD SD	
	TNPA2665	CIRCUIT BOARD R	
	TNPA2666	CIRCUIT BOARD S	
	TNPA2668	CIRCUIT BOARD J	PT-AE300E
	TXANP01VJR1	CIRCUIT BORAD A	
	TXANP03VJN9	CIRCUIT BOARD K	PT-AE300U
	•	•	

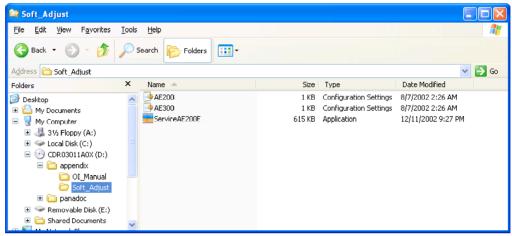
	L		
Ref. No.	Part No.	Part Name & Description	Remarks
	TXANP03PRRZ	CIRCUIT BOARD K	PT-AE300E
	TXANPBQVJN9	CIRCUIT BOARD B/Q	

16. Schematic Diagram for printing with A4 size

17. Additional Data in Appendix Folder

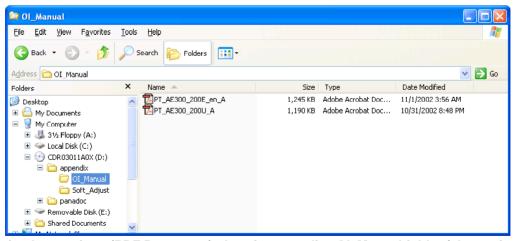
Additional Data are inside of this CD-ROM's Appendix Folder

17.1. Adjustment Software



- Aplication's name is "ServiceAE200E.exe" and place is appendix...Soft_Adjust folder (above view) / Double Click and Run (refer to 7.5. Software for Adjustment...).

17.2. Operating Instructions



- Operating Instructions (PDF Document) place is appendix...OI_Manual folder (above view) / Please viewing by Acrobat Reader.
- PT_AE300_200E_en_A.pdf......for Europe and Other Area
- PT_AE300_200U_A.pdf.....for North America Area

D

В

1 2 3 4 5 6 7 8 9

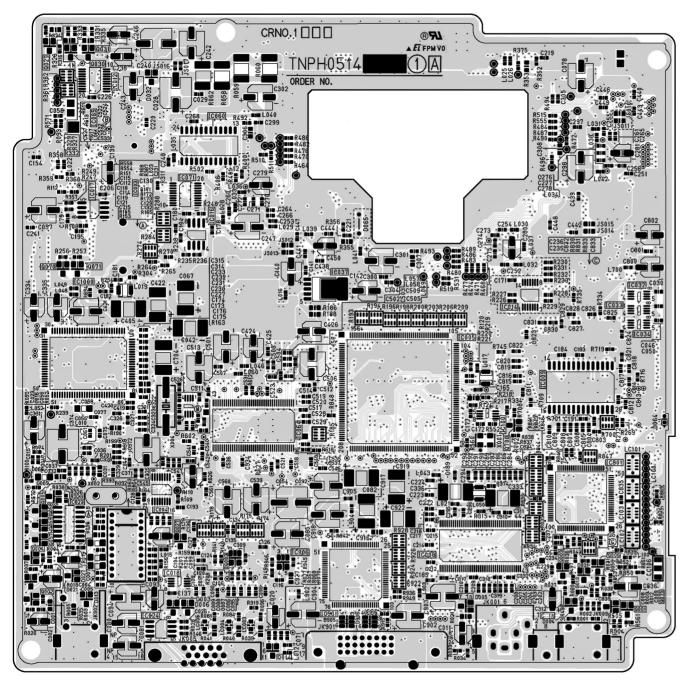
A-P.C.Board TXANP01VJR1 (Component Side)

Ε

D

C

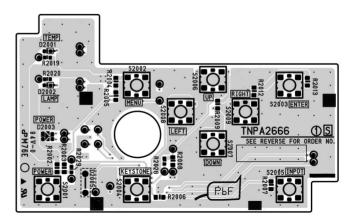
В



A-P.C.	Board (C	omponen	t Side)
IC			
IC1000	C-1	IC1032	C-5
IC1002	A-2	IC1033	C-5
IC1004	B-2	IC1034	C-5
IC1005	C-3	IC1037	C-3
IC1008	A-3	IC1060	D-2
IC1009	C-4	IC1064	B-2
IC1012	E-1	IC1065	D-1
IC1016	D-2	IC1071	D-2
IC1017	D-1	IC1100	B-4
IC1018	A-2	IC1801	B-4
IC1023	B-1	IC1901	A-3
IC1024	A-2	IC1906	A-2
TRANS	ISTOR		
Q1001	A-5	Q1030	E-1
Q1002	A-1	Q1031	E-1
Q1003	A-4	Q1057	B-1
Q1004	A-1	Q1058	B-1
Q1005	B-1	Q1059	B-1
Q1006	A-5	Q1070	C-1
Q1014	A-2	Q1071	C-1
Q1027	B-2	Q1075	A-5
Q1029	E-1	Q1700	B-4

DUNESS INFONWATION

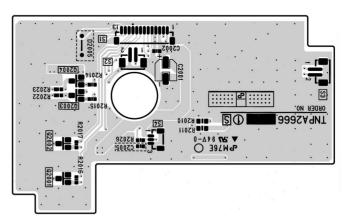
S-P.C.Board TNPA2666 (Foil Side)



S-P.C.Board TNPA2666 (Component Side)

S-P.C.Board (Component Side)			
TRANSISTOR			
Q2001 Q2002	B-7 B-7	Q2003 Q2004	B-7 B-7

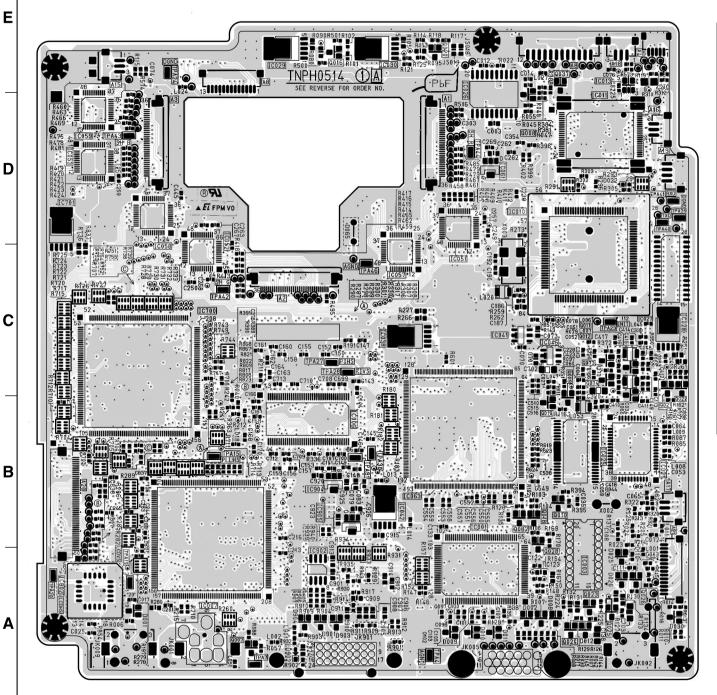
ADDRESS INFORMATION



9

2 3 4 5 6 7 8

A-P.C.Board (Foil Side) TXANP01VJR1

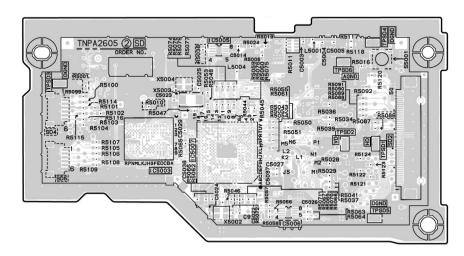


A-P.C.Board (Foil Side)			
IC			
IC1001 IC1003 IC1006 IC1007 IC1010 IC1011 IC1013 IC1025 IC1026 IC1027 IC1028 IC1028 IC1029 IC1038 IC1038 IC1038 IC1041	B-3 A-4 B-3 D-4 D-4 E-4 B-5 B-4 D-3 C-5 E-2 E-3 C-4	IC1042 IC1046 IC1051 IC1052 IC1053 IC1057 IC1058 IC1059 IC1061 IC1061 IC1061 IC1701 IC1701 IC1902 IC1905	B-3 C-4 D-3 C-2 D-1 C-3 D-1 D-4 B-3 C-1 D-1 A-2 B-2 B-2
TRANS	ISTOR		
Q1007 Q1008 Q1009 Q1010 Q1011 Q1012 Q1016 Q1018 Q1019 Q1020 Q1021	A-2 D-4 C-4 B-4 C-4 C-4 E-3 B-4 B-4 E-3 B-5	Q1022 Q1023 Q1024 Q1025 Q1026 Q1028 Q1032 Q1037 Q1073 Q1074	B-5 A-4 A-4 A-5 A-4 B-4 E-4 C-4
TP			
TPA4 TPA7 TPA15 TPA19 TPA20 TPA23 TPA24 TPA27 TPA28	A-3 A-2 B-2 A-1 C-4 E-1 C-3 C-3	TPA30 TPA31 TPA39 TPA40 TPA41 TPA42 TPA43 TPA44 TPA46	B-3 B-3 D-5 D-5 D-5 C-2 D-1 D-3 C-3
ADDRESS	INFORMA	TION	

SD-P.C.Board TNPA2605 (Foil Side)

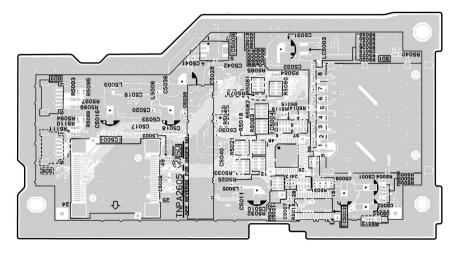
SD-P.C.Board (Foil Side)			
IC			
IC5003	D-7	IC5006	D-8
IC5005	E-8	IC5007	D-8
TP			
TPSD1	D-9	TPSD5	D-9
TPSD2	D-9	TPSD6	E-9

ADDRESS INFORMATION

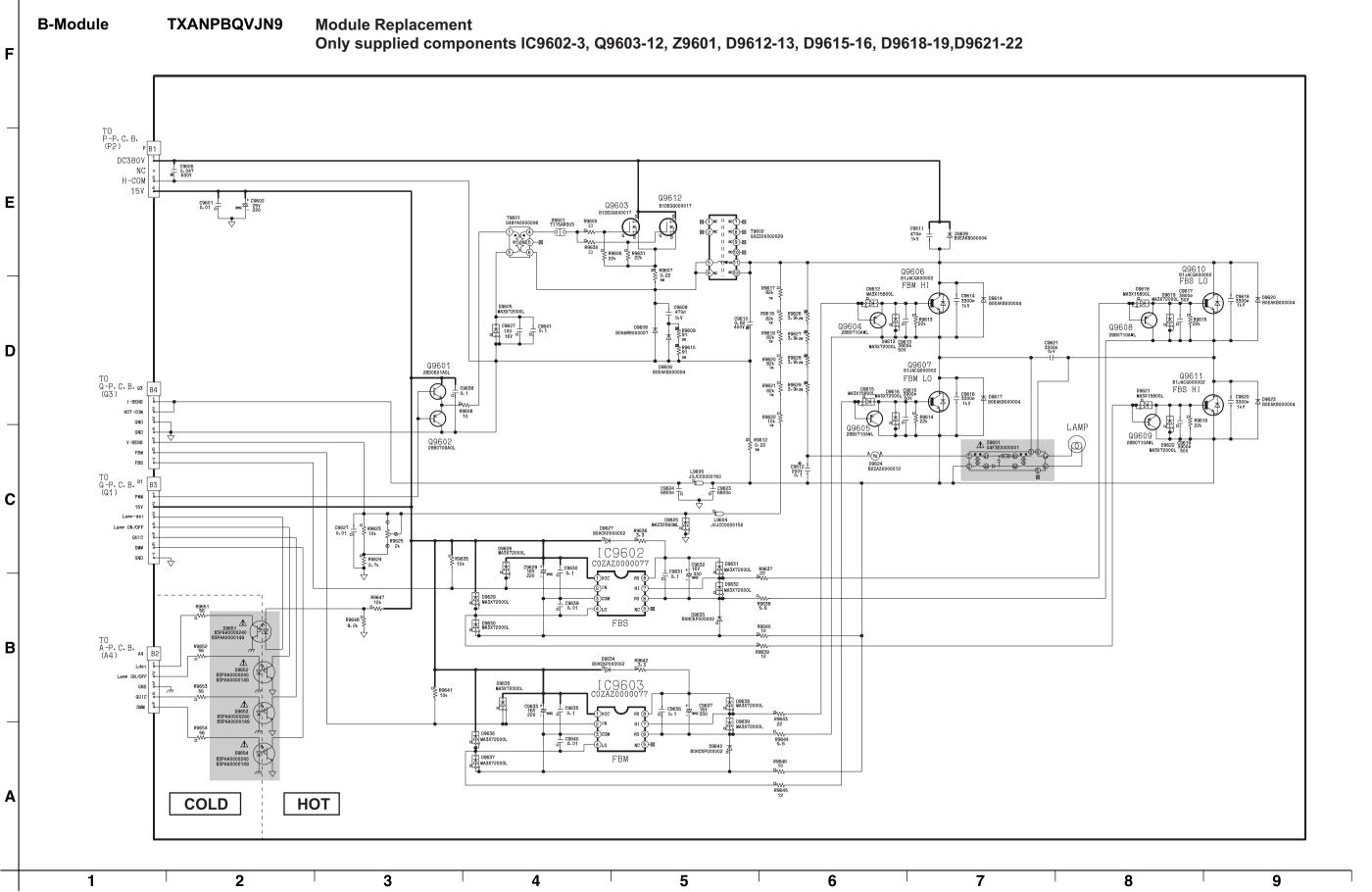


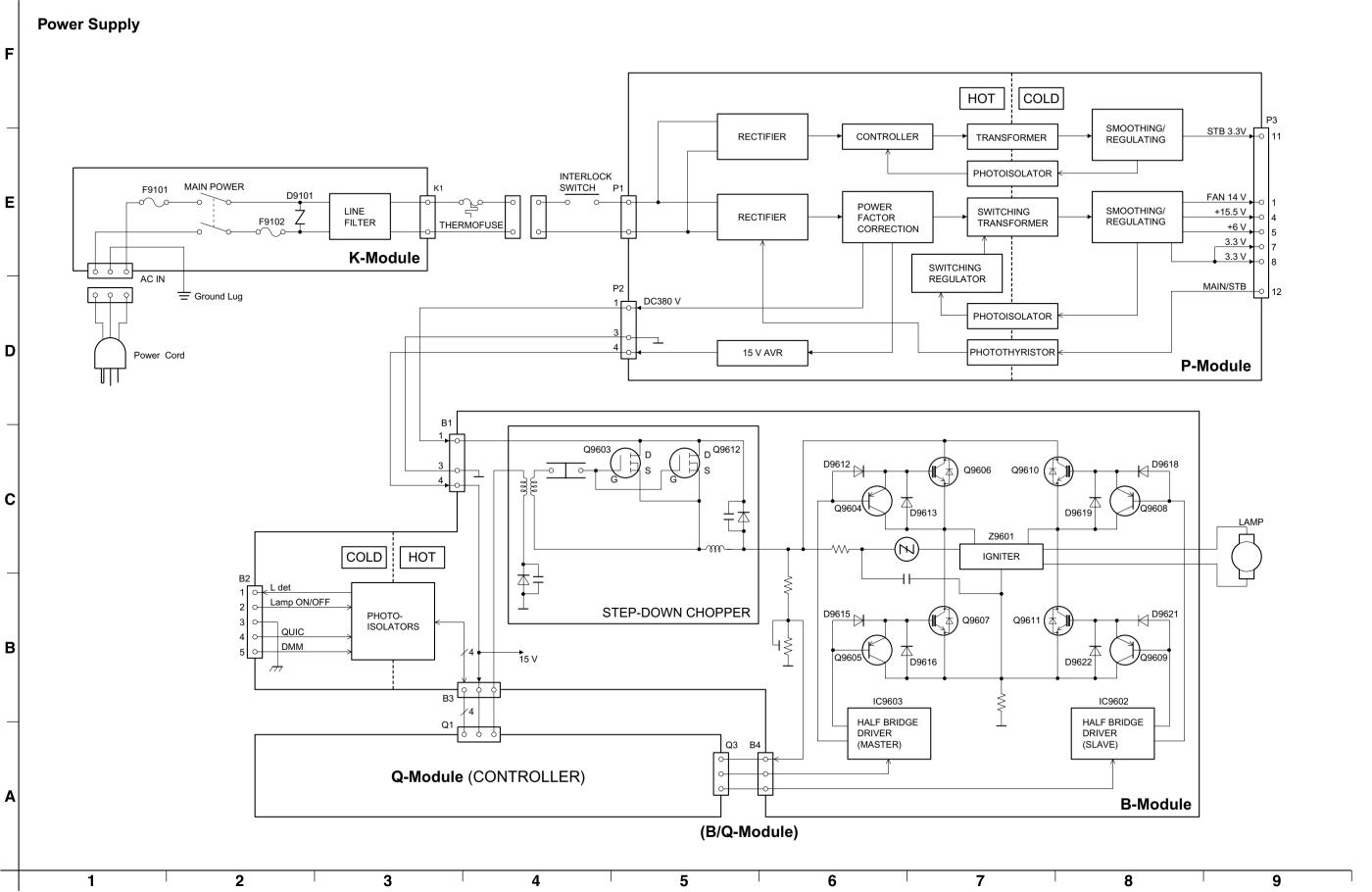
SD-P.C.Board TNPA2605 (Component Side)

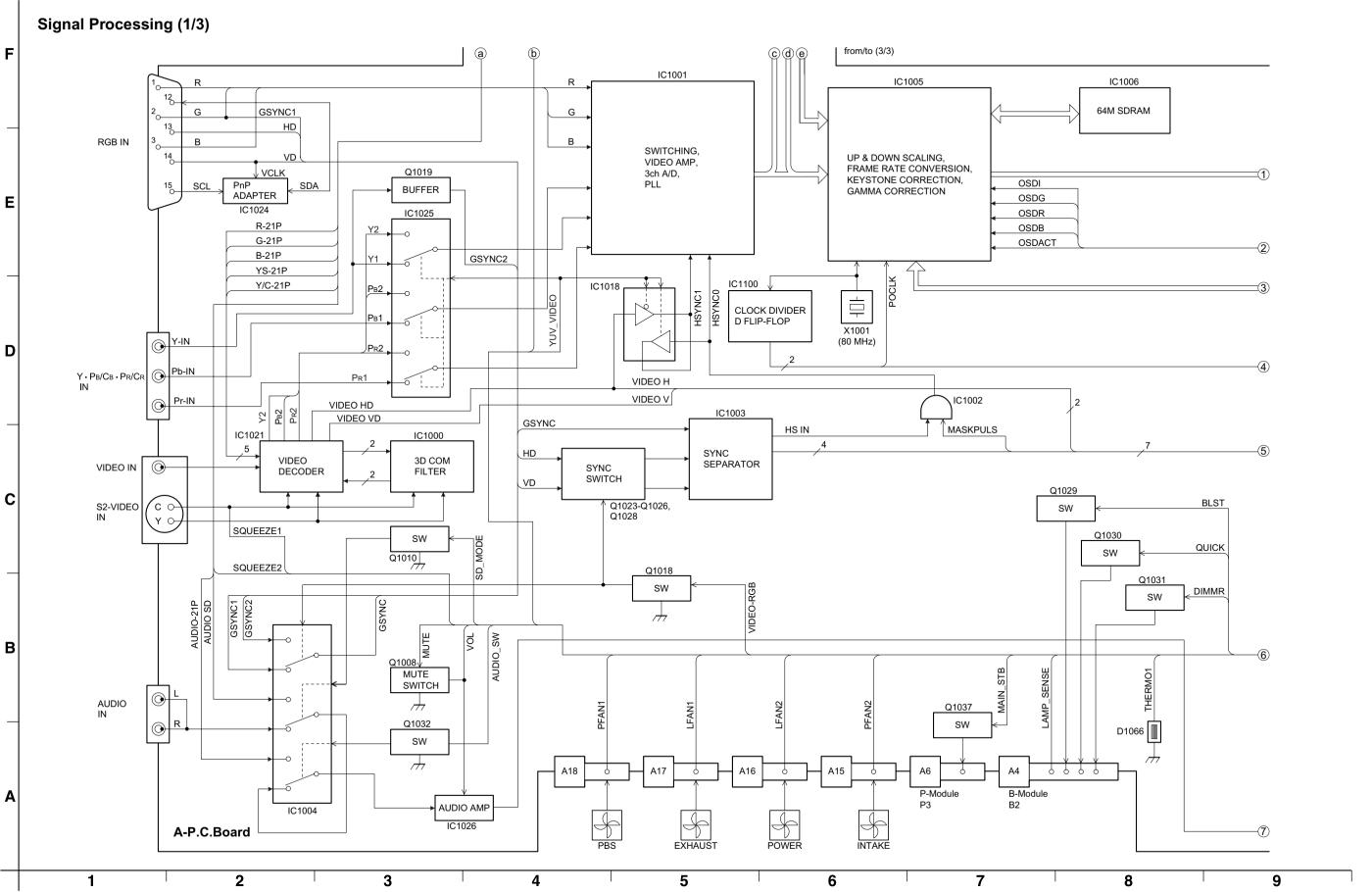
SD-P.C.Board (Component Side)			
IC			
IC5001	A-7	IC5004	A-8
IC5001 IC5002	A-9	IC5009	B-8
ADDRESS	INFORMA	TION	

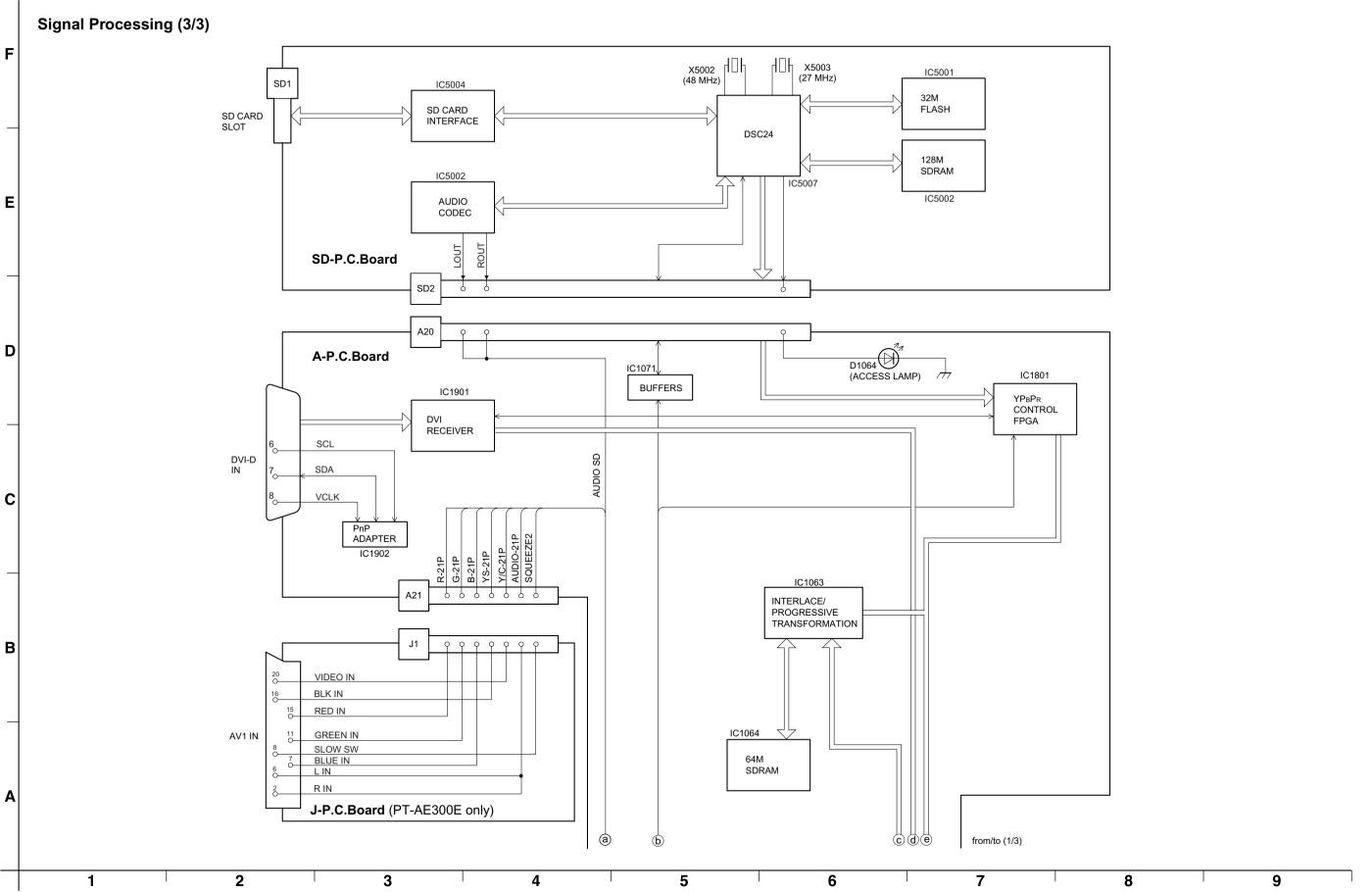


2 3 4 5 6 7 8

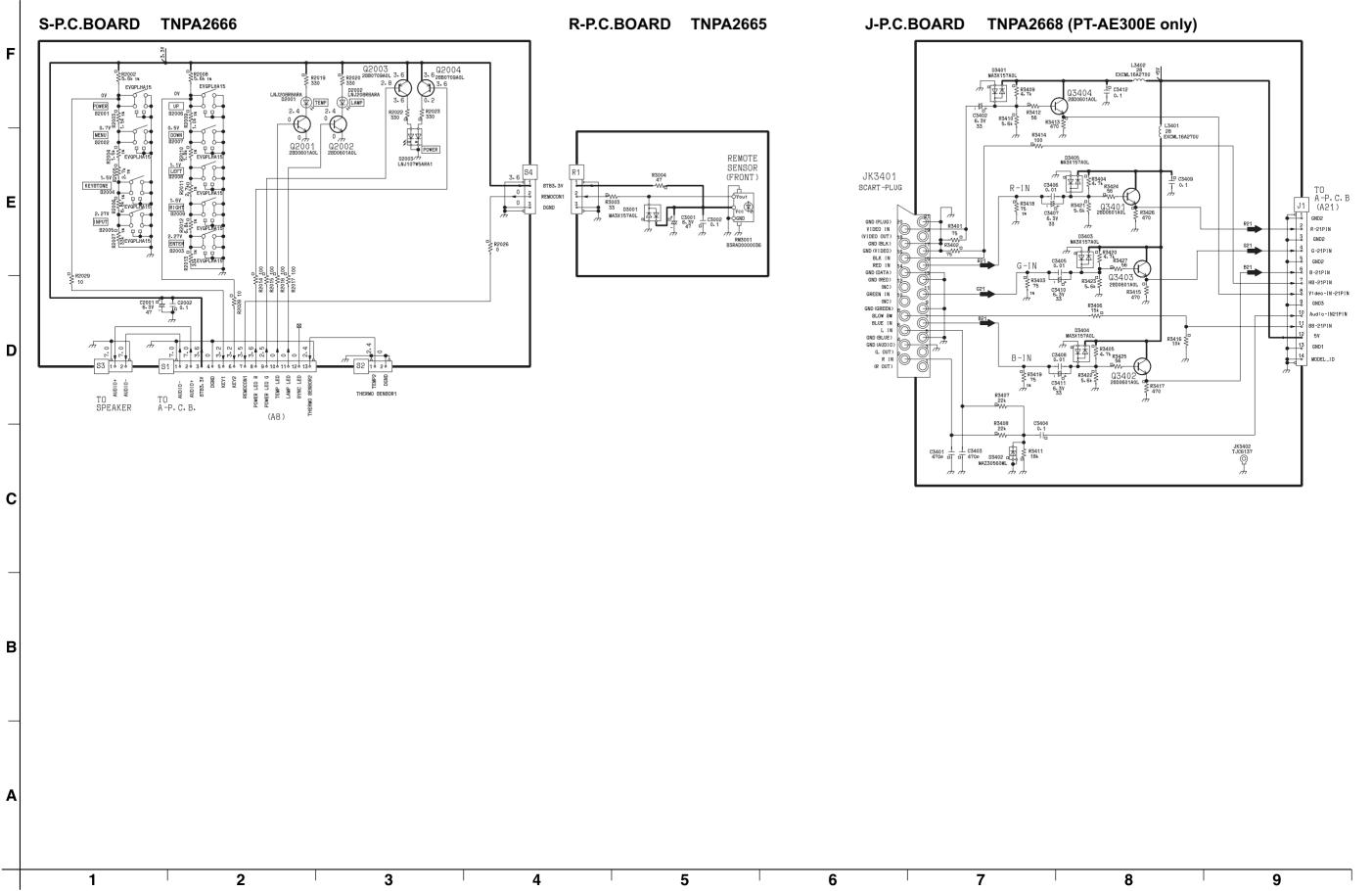


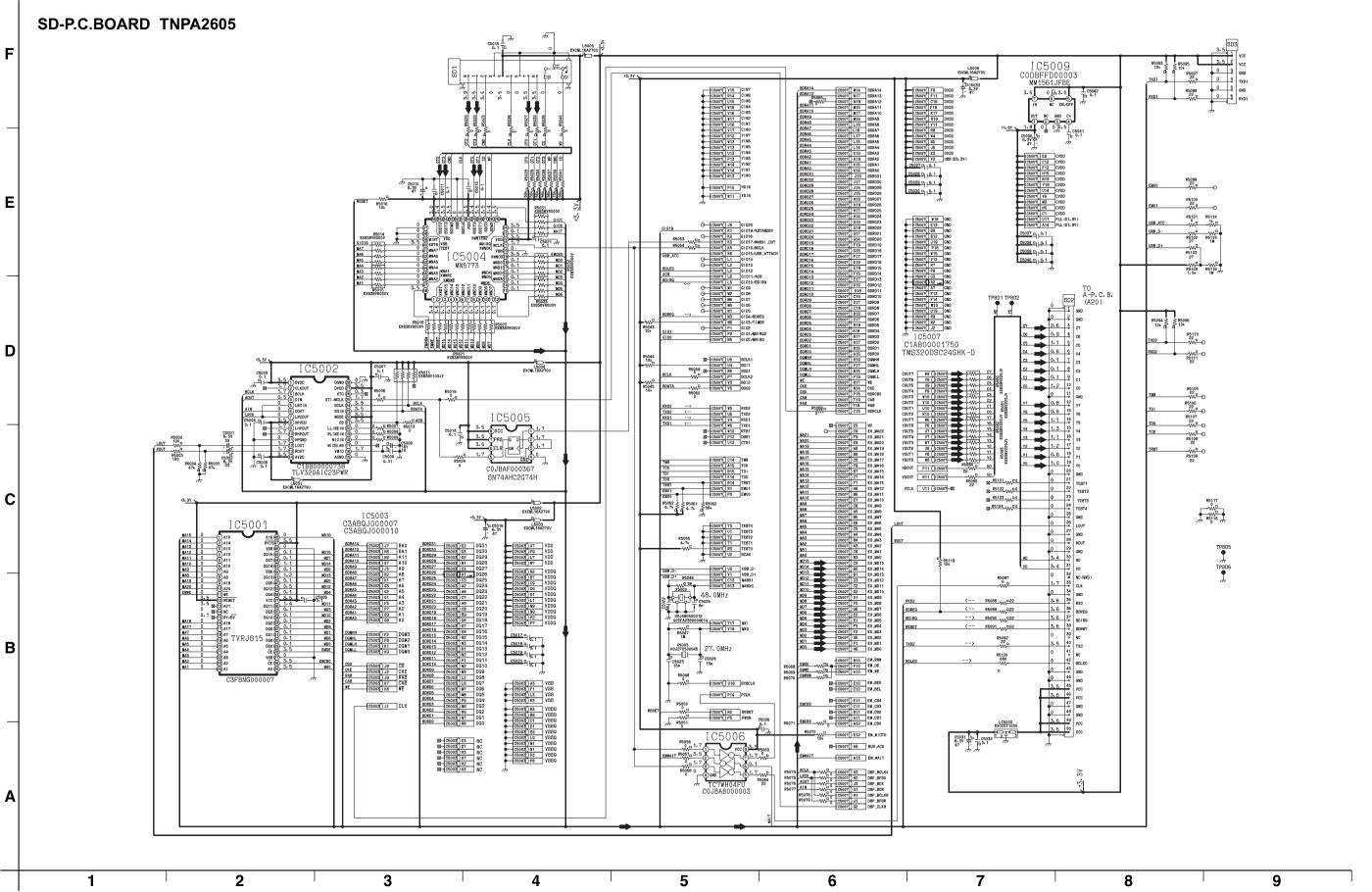






Interconnection Block Diagram (2/2) S-VIDEO&VIDEO_IN PC IN COMPONENT IN AUDIO IN POWER1 A6 FAN14V FANGND JK1009 П +15.5V JK1001 3. 3V A2 3. 3V DGND G LCD PANEL R LCD PANEL DGND A1, A2, A3-2, 35 VSSY STB3, 3V DIRY MAIN/STB LCCOM LCD PANEL (R) 16.0Vp-p 10ms/div (V-rate) NRS2 A3-8, 10, 12, 14, 16, 18 A1-8, 10, 12, 14, 16, 18 AUDIO+ 10.0Vp-p 20us/div VID5 STB3. 3V A1. A2. A3-20 KEY2 D VID3 REMOCON1 17.0VP-P 20us/div (H-rate) POWER LED P VID2 POWER LED G A1, A2, A3-22, 23 LCD PANEL (G) nnnnnVID1 LAMP LED vssx SYNC LED 17.0Vp-p 0.5us/div THERMO SENSORS VDDX A1-25, 26, 27, 28 ENR4 ENB3 LANP SENCE A1. A2. A3-29 BRST ON/OFF В QUICK 18.0Vp-p 20us/div(H-rate) LCD PANEL (B) A1, A2, A3-33, 34 A-P. C. Board В A1910 20 30 40 PT-AE300E RS232C I/F 5 7 2 3 4 6 8





11 Schematic Diagram



Schematic Diagram for Model PT-AE300U

IMPORTANT SAFETY NOTICE

THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTE HAZARDS.

WHEN SERVICING, IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICATHE SCHEMATIC.

Schematic Diagram for Model PT-AE300E

Important Safety Notice

Components identified by the international symbol \triangle have special characteristics important for safety. When replacing any openitied ones.

Notes:

1. Resistor

All the resistors are carbon 1/4W resistors, unless marked as follows: The unit of resistance is an OHM [Ω] (K=1 000 M=1 000

2. Capacitor

3. Coil

The unit of inductance is a µH, unless otherwise noted.

4. Test Point

: Test Point

5. Voltage Measurement

The voltage is measured by an electronic voltmeter receiving the colorbar signal when all the customer's controls are set to th

6. Color code for the links between diagrams and circuit boards

From/To		To/From	Color code
Block diagram	←→	Schematic diagram	Magenta
Schematic diagram	\	Schematic diagram	Green
Schematic diagram	←→	Circuit boards	Yellow
Schematic diagram	\	Waveforms	Cyan (Light blue)

7. HOT and COLD indications

The power circuit board contains a circuit area using a separate power supply to isolate the ground connection. The circuit is diagram. Take the precautions below:

8. This schematic diagram is the latest at the time of printing and the subject to change without notice.

Precautions:

- 1. NEVER touch the HOT part or the HOT and COLD parts at the same time, or you may get an electric shock.
- 2. NEVER short-circuit the HOT and COLD circuits, or the fuse may blow and the parts may break.
- 3. NEVER connect an instrument such oscilloscope to the HOT and COLD circuit simultaneously, or the fuse may blow.Connect the groups of the connect and could be connected as a connected and could be connected as a co
- 4. MAKE SURE to unplug the power cord from the power outlet before removing the chassis.



ICE
PORTANT FOR PROTECTION FROM FIRE AND ELECTRICAL SHOCK
SED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF

ty. When replacing any of these components, use only the manufacturer's

 $M[\Omega]$ (K=1 000 M=1 000 000).

er's controls are set to the standard condition.

nnection. The circuit is defined by HOT and COLD indications in the schematic

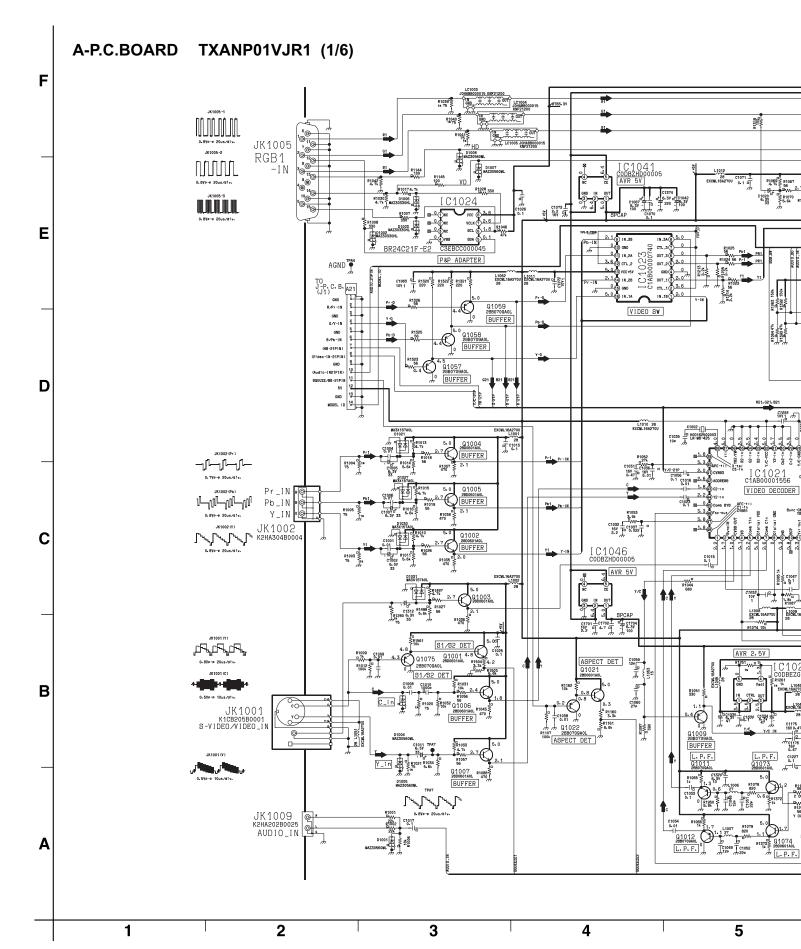
notice.

tric shock.

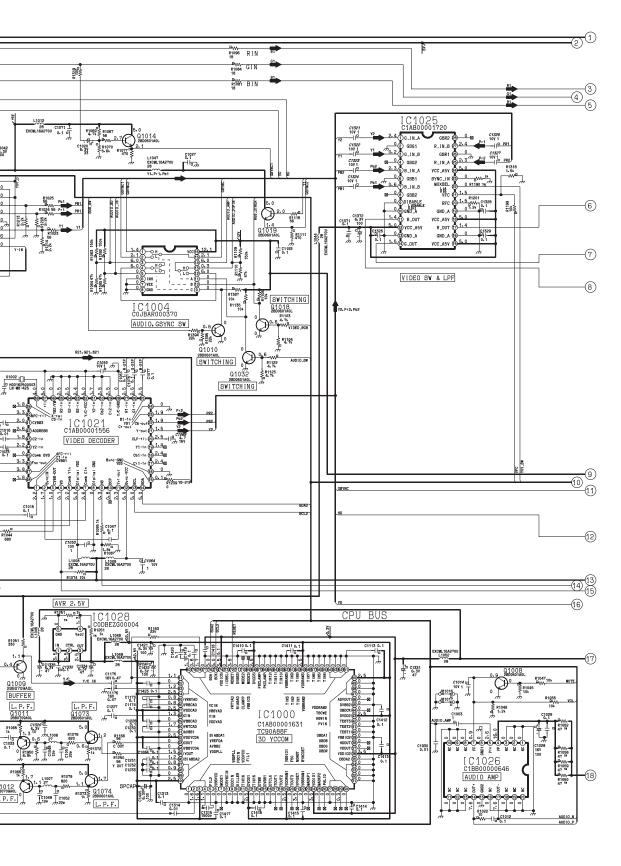
may blow. Connect the ground of instruments to the ground of the circuit being measured.

11.1. A-P.C.Board (1/6)

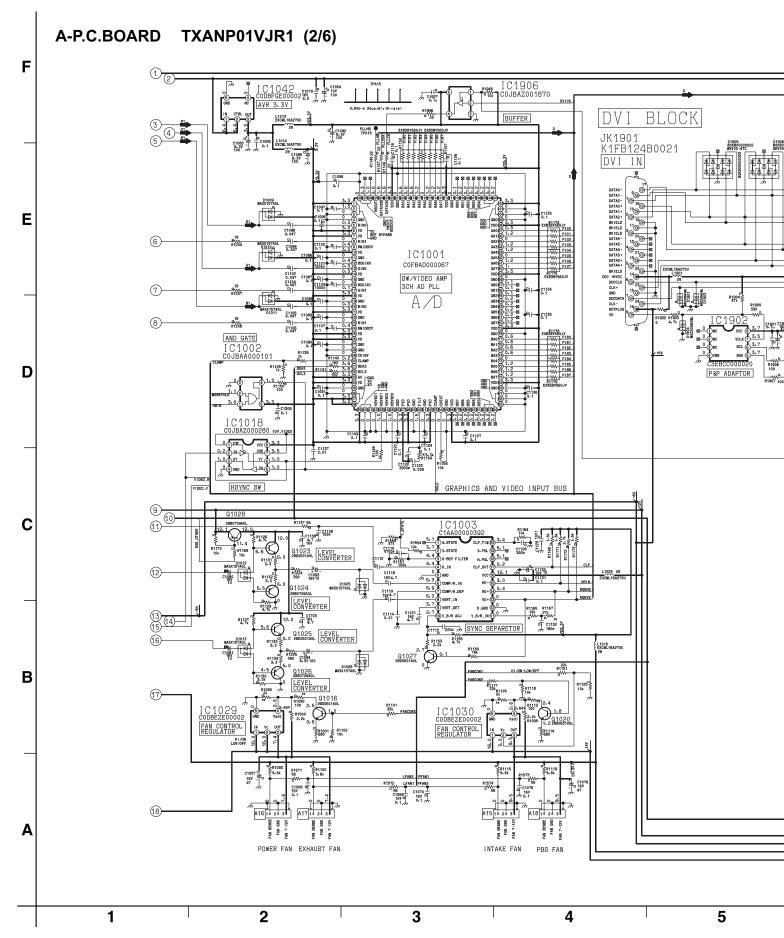




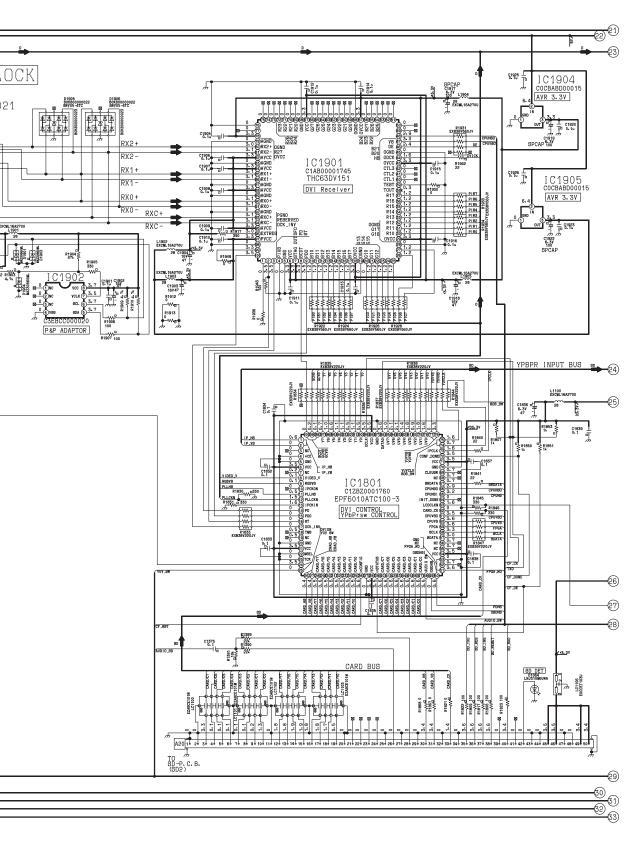






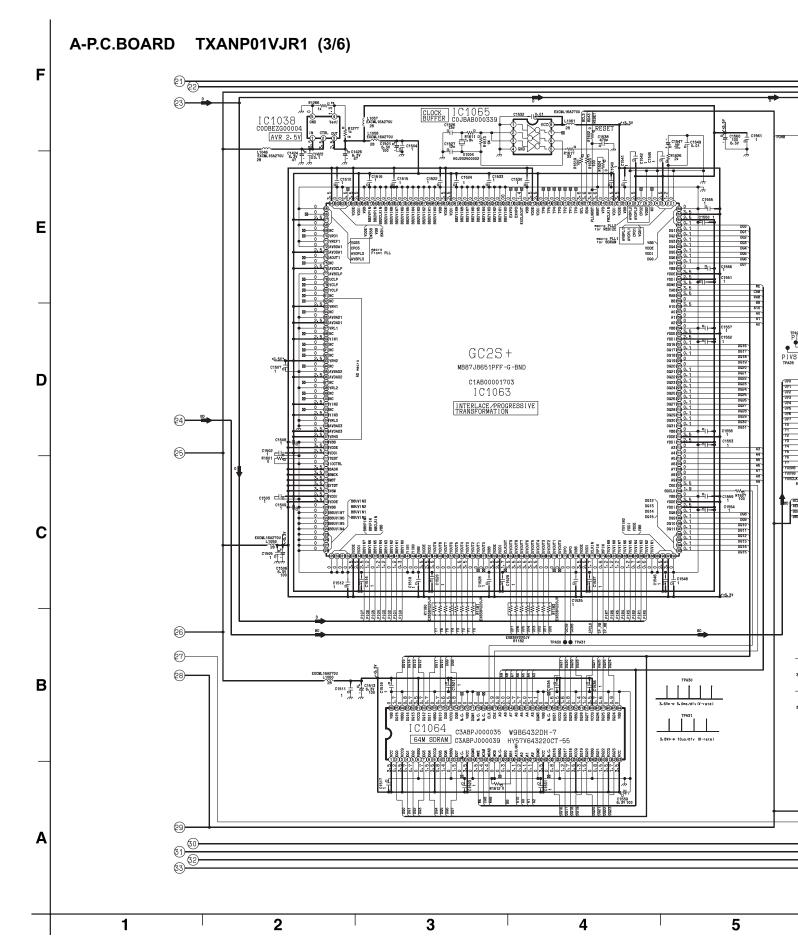




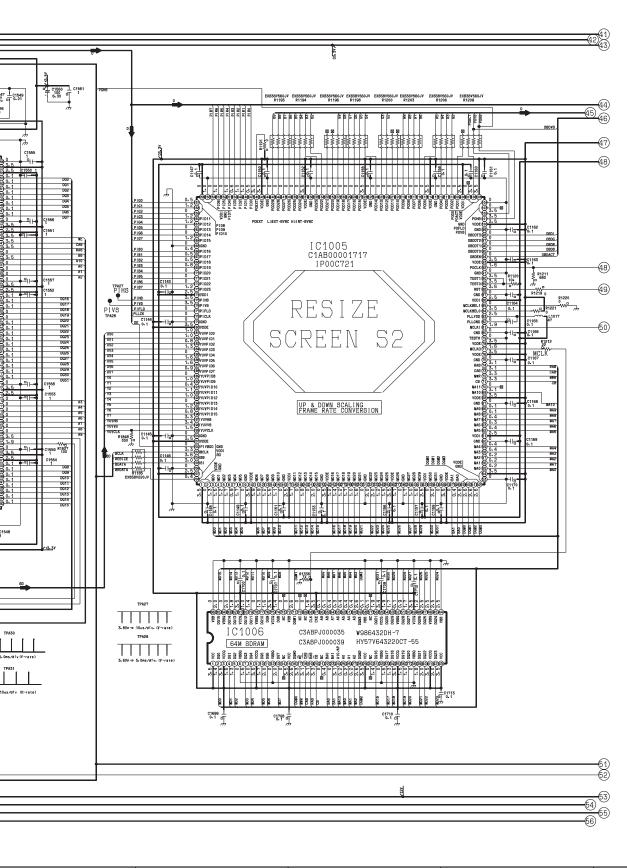


11.3. A-P.C.Board (3/6)



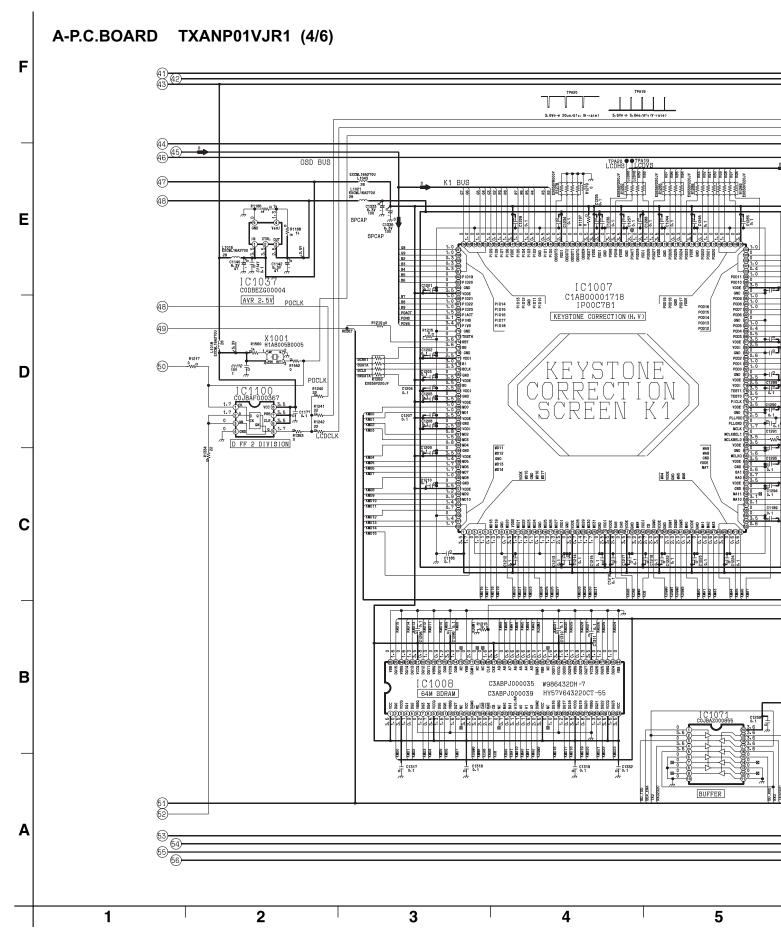




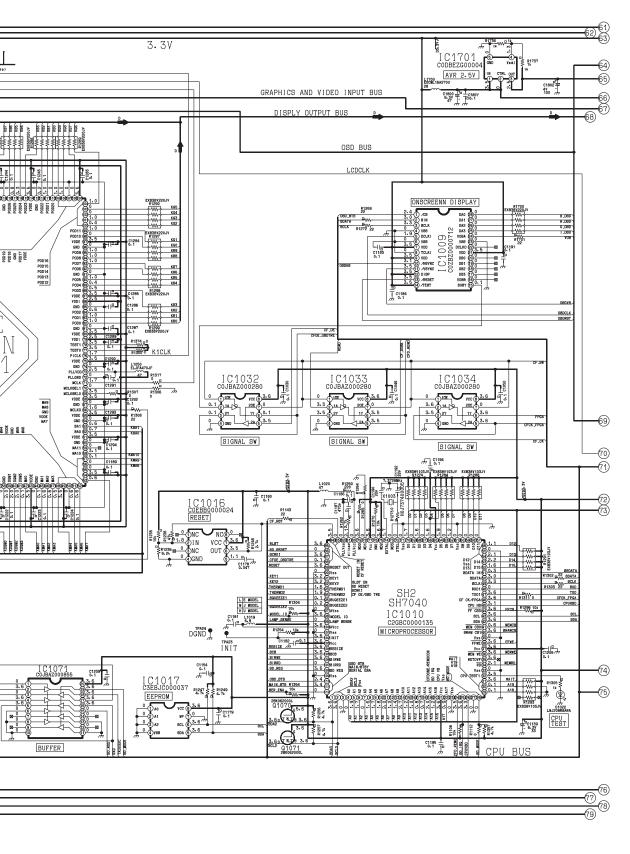


11.4. A-P.C.Board (4/6)



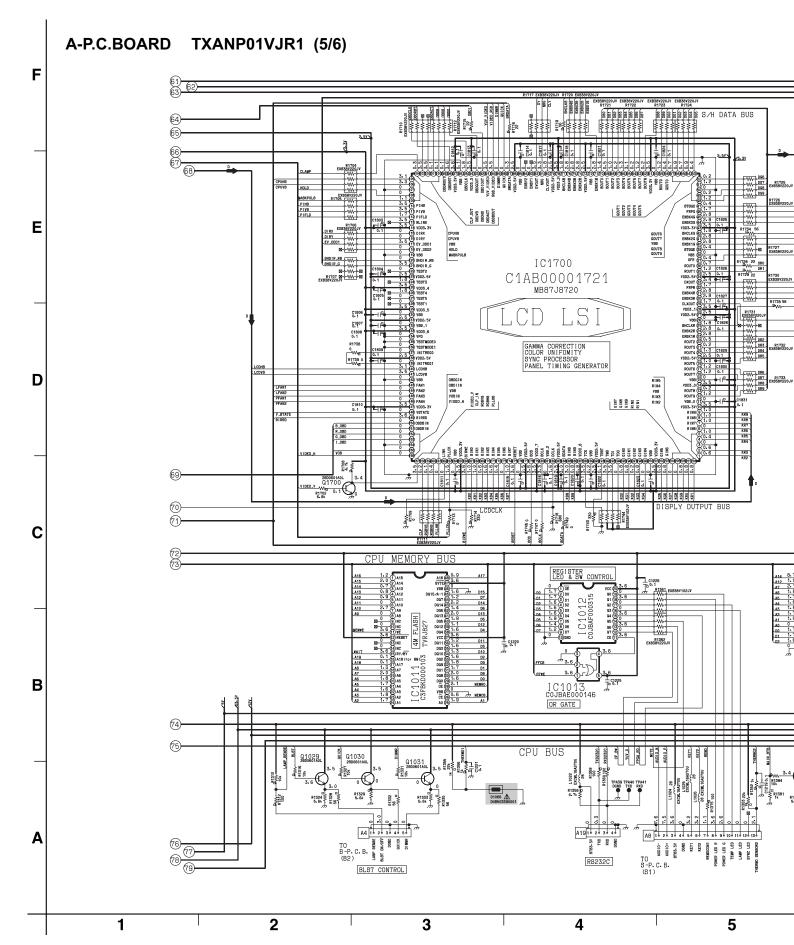




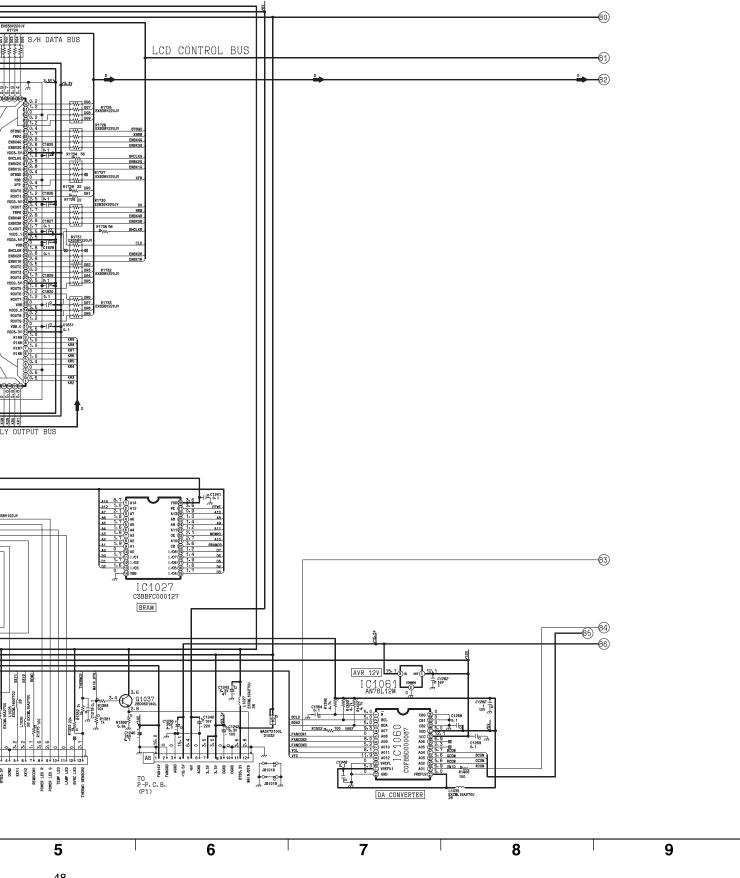


11.5. A-P.C.Board (5/6)



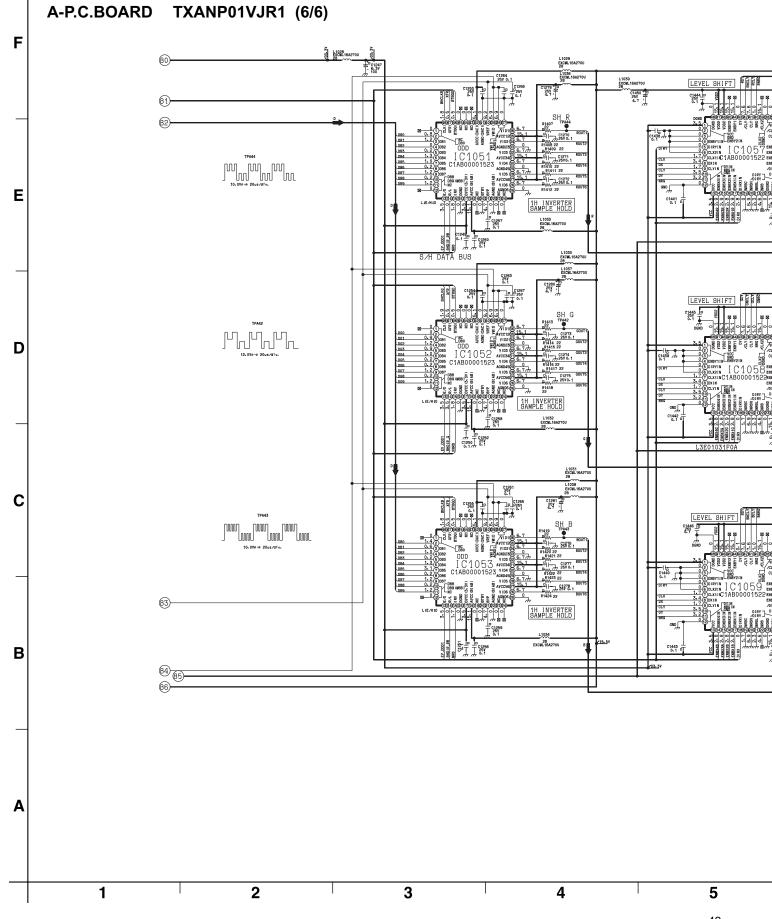




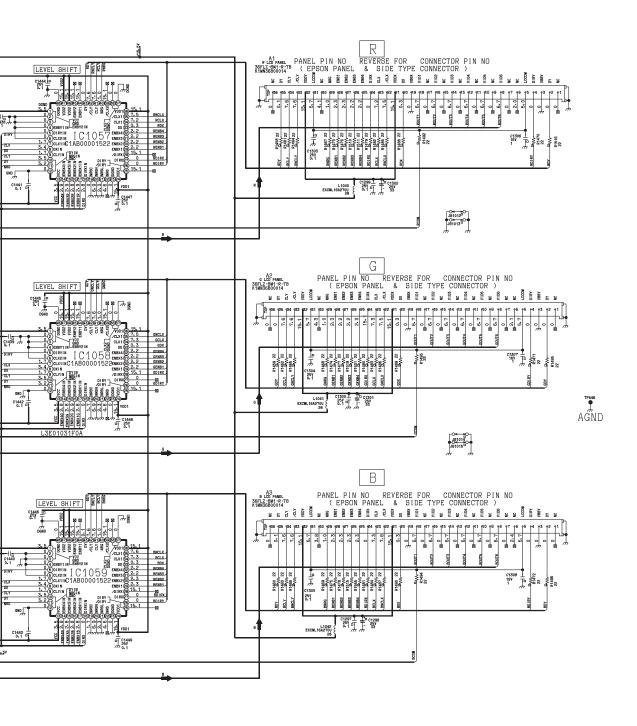


11.6. A-P.C.Board (6/6)





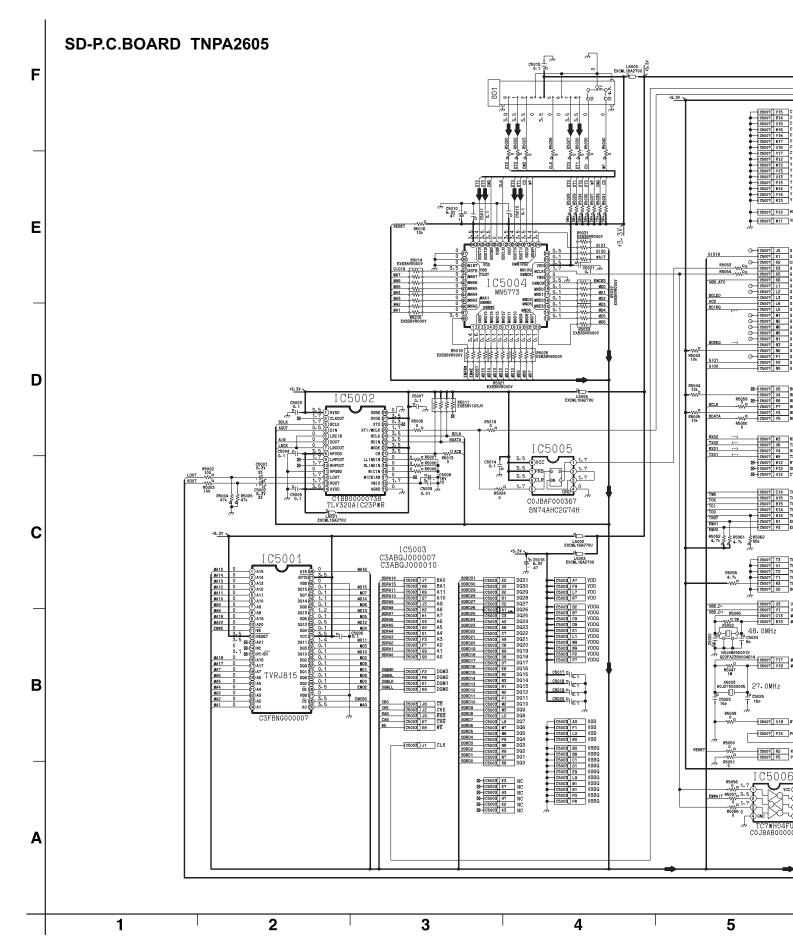




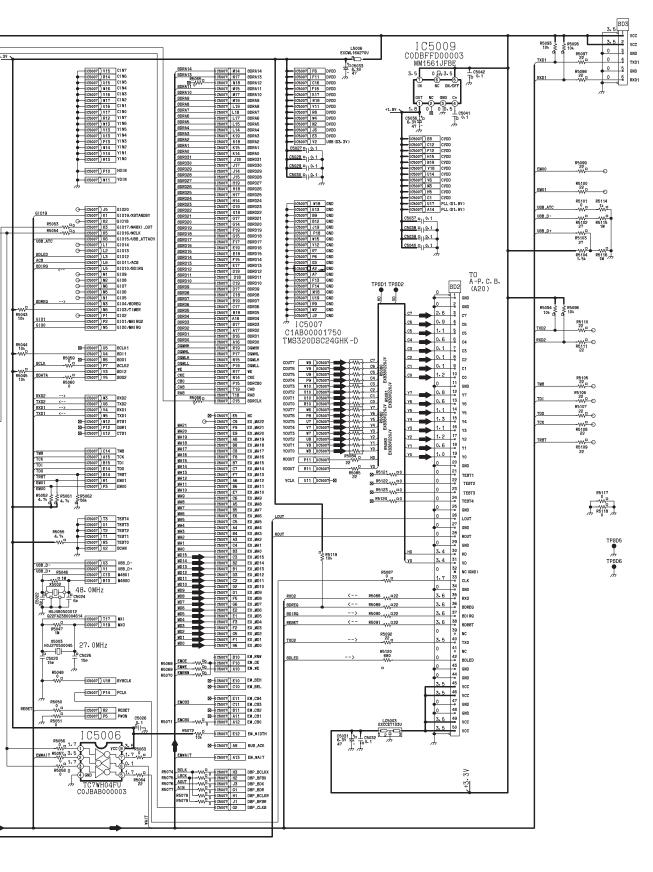
5 6 7 8 9

11.7. SD-P.C.Board







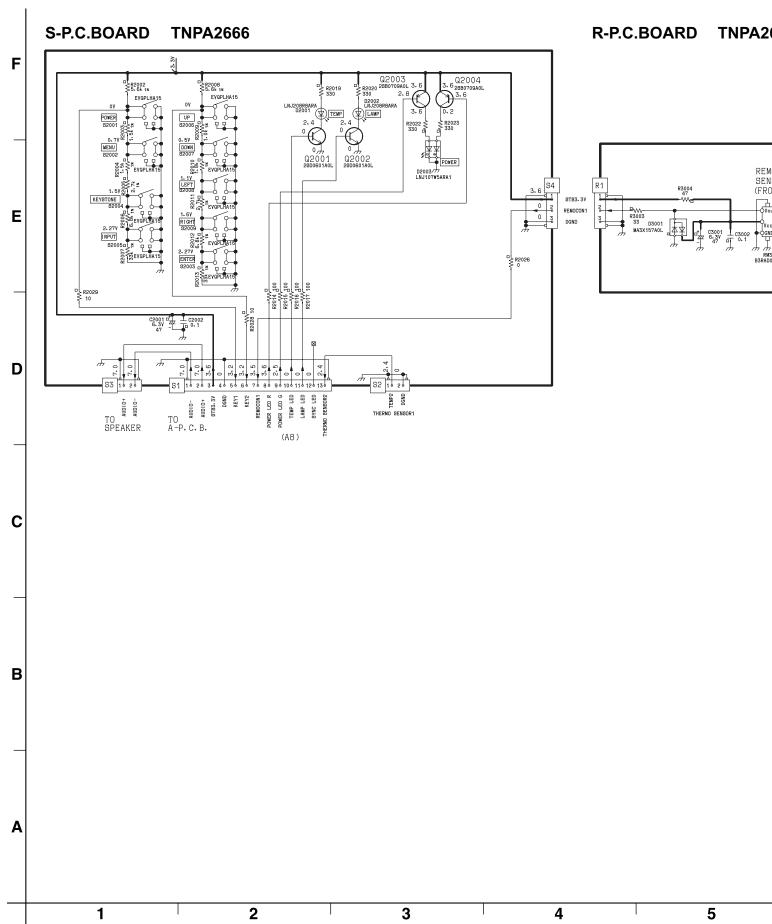


5 6 7 8 9

50

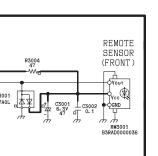
11.8. S-P.C.Board, R-P.C.Board, J-P.C.Board



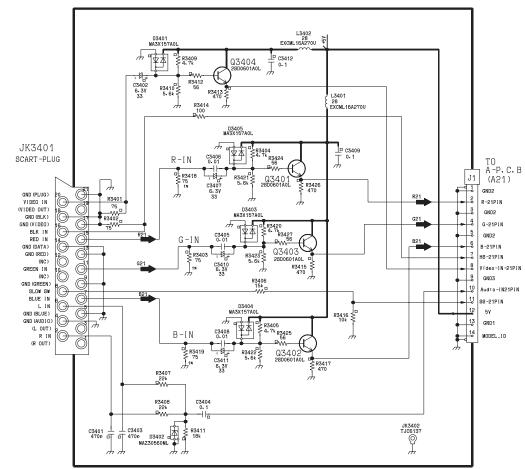




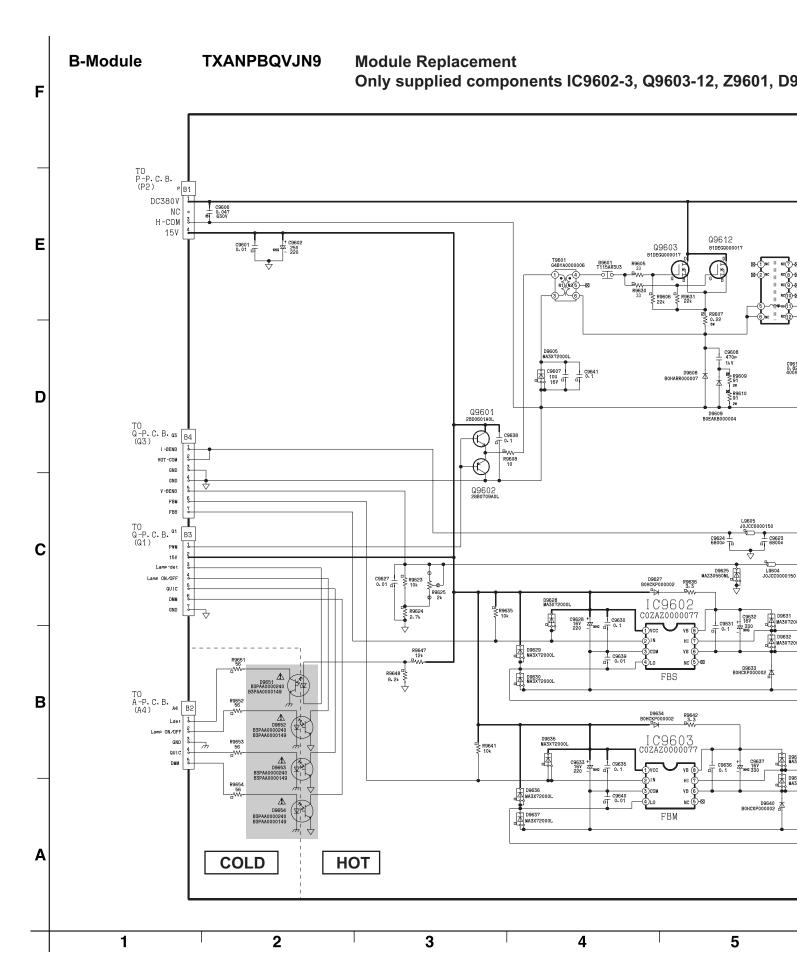
OARD TNPA2665



J-P.C.BOARD TNPA2668 (PT-AE300E only)

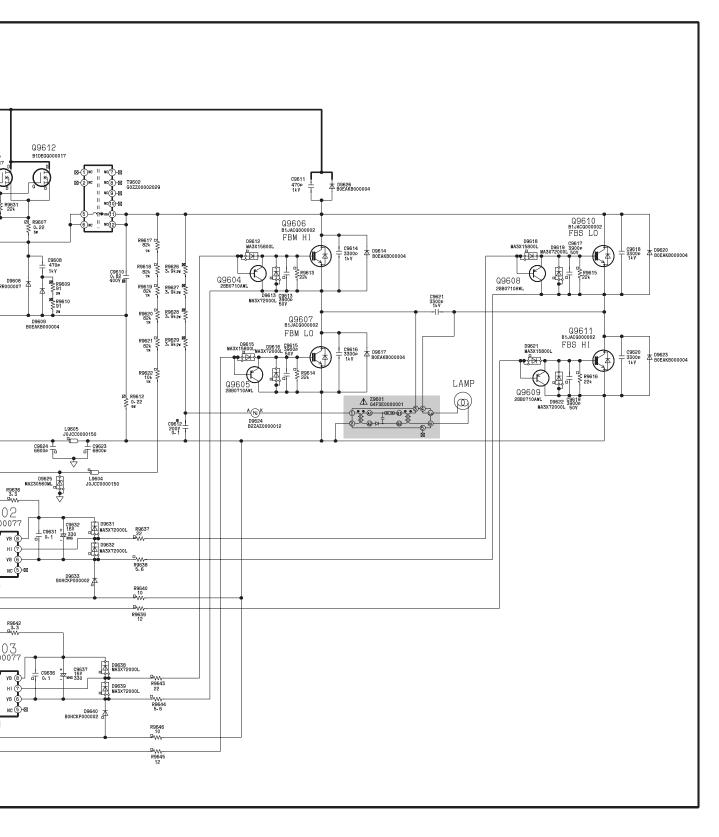


11.9. B-Module



+

03-12, Z9601, D9612-13, D9615-16, D9618-19,D9621-22



5 6 7 8 9

В

В